

# The Rails Way Obie Fernandez

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**The Rails 5 Way, Fourth Edition** Obie Fernandez 2017 The 'Bible' for Rails Development: Fully Updated for Rails 5 "When I read The Rails Way for the first time, I felt like I truly understood Rails for the first time."--Steve Klabnik, Rails contributor and mentor The Rails 5 Way is the comprehensive, authoritative reference guide for professionals delivering production-quality code using modern Ruby on Rails. Obie Fernandez illuminates the entire Rails 5 API, its most powerful idioms, design approaches, and libraries. He presents new and updated content on Action Cable, RSpec 3.4, Turbolinks 5.0, the Attributes API, and many other enhancements, both major and subtle. Through detailed code examples, you'll dive deep into Ruby on Rails, discover why it's designed as it is, and learn to make it do exactly what you want. Proven in thousands of production systems, the knowledge in this book will maximize your productivity and help you build more successful solutions. Build powerful, scalable, REST-compliant back-end services Program complex program flows using Action Controller Represent models, relationships, and operations in Active Record, and apply advanced Active Record techniques Smoothly evolve database schema via Migrations Craft front-ends with ActionView and the Asset Pipeline Optimize performance and scalability with caching and Turbolinks 5.0 Improve your productivity using Haml HTML templating Secure your systems against attacks like SQL Injection, XSS, and XSRF Integrate email using Action Mailer Enable real-time, websockets-based browser behavior with Action Cable Improve

responsiveness with background processing Build 'API-only' back-end projects that speak JSON Leverage enhancements to Active Job, serialization, and Ajax support Register your product at [informit.com/register](http://informit.com/register) for convenient access to downloads, updates, and/or corrections as they become available.

**Safari Books Online Webcast: The Rails 3 Way** Obie Fernandez 2012 "Ruby on Rails is exploding into mainstream popularity as programmers openly revolt against heavy and overly complex Java and .NET web development tools and libraries. During this complimentary webcast, pioneering Rails developer Obie Fernandez will: - Illuminate the Rails 3 API, along with the Ruby idioms, design approaches, libraries, and plug-ins that make Rails so valuable. - Present advanced programming techniques, introduce open source libraries that facilitate easy Rails adoption, and offer important insights into testing and production deployment. - Dive into the Rails codebase and discover why Rails behaves as it does and how to make it behave the way you want it to. Ruby on Rails strips complexity from the development process, enabling professional developers to focus on what matters most: delivering business value. Hear the author address the real challenges development teams face as he shows you how to use Rails' tools and best practices to maximize productivity and build polished applications users will enjoy."--Resource description page.

*Rails Test Prescriptions* Noel Rappin 2010 Provides information on testing procedures and tools for Rails 2 and Rails 3.

*The Rails Way* Obie Fernandez 2007-11-16 The

expert guide to building Ruby on Rails applications Ruby on Rails strips complexity from the development process, enabling professional developers to focus on what matters most: delivering business value. Now, for the first time, there's a comprehensive, authoritative guide to building production-quality software with Rails. Pioneering Rails developer Obie Fernandez and a team of experts illuminate the entire Rails API, along with the Ruby idioms, design approaches, libraries, and plug-ins that make Rails so valuable. Drawing on their unsurpassed experience, they address the real challenges development teams face, showing how to use Rails' tools and best practices to maximize productivity and build polished applications users will enjoy. Using detailed code examples, Obie systematically covers Rails' key capabilities and subsystems. He presents advanced programming techniques, introduces open source libraries that facilitate easy Rails adoption, and offers important insights into testing and production deployment. Dive deep into the Rails codebase together, discovering why Rails behaves as it does— and how to make it behave the way you want it to. This book will help you Increase your productivity as a web developer Realize the overall joy of programming with Ruby on Rails Learn what's new in Rails 2.0 Drive design and protect long-term maintainability with TestUnit and RSpec Understand and manage complex program flow in Rails controllers Leverage Rails' support for designing REST-compliant APIs Master sophisticated Rails routing concepts and techniques Examine and troubleshoot Rails routing Make the most of ActiveRecord object-relational mapping Utilize Ajax within your Rails applications Incorporate logins and authentication into your application Extend Rails with the best third-party plug-ins and write your own Integrate email services into your applications with ActionMailer Choose the right Rails production configurations Streamline deployment with Capistrano

[Enterprise Rails](#) Dan Chak 2008-10-21 What does it take to develop an enterprise application with Rails? Enterprise Rails introduces several time-tested software engineering principles to prepare you for the challenge of building a high-performance, scalable website with global reach.

You'll learn how to design a solid architecture that ties the many parts of an enterprise website together, including the database, your servers and clients, and other services as well. Many Rails developers think that planning for scale is unnecessary. But there's nothing worse than an application that fails because it can't handle sudden success. Throughout this book, you'll work on an example enterprise project to learn first-hand what's involved in architecting serious web applications. With this book, you will: Tour an ideal enterprise systems layout: how Rails fits in, and which elements don't rely on Rails Learn to structure a Rails 2.0 application for complex websites Discover how plugins can support reusable code and improve application clarity Build a solid data model -- a fortress -- that protects your data from corruption Base an ActiveRecord model on a database view, and build support for multiple table inheritance Explore service-oriented architecture and web services with XML-RPC and REST See how caching can be a dependable way to improve performance Building for scale requires more work up front, but you'll have a flexible website that can be extended easily when your needs change. Enterprise Rails teaches you how to architect scalable Rails applications from the ground up. "Enterprise Rails is indispensable for anyone planning to build enterprise web services. It's one thing to get your service off the ground with a framework like Rails, but quite another to construct a system that will hold up at enterprise scale. The secret is to make good architectural choices from the beginning. Chak shows you how to make those choices. Ignore his advice at your peril."-- Hal Abelson, Prof. of Computer Science and Engineering, MIT

[The Rails 3 Way](#) Obie Fernandez 2011 Provides information on the capabilities and subsystems of Rails for the design and development of production-quality software.

**Learning Ruby** Michael Fitzgerald 2007-05-14 You don't have to know everything about a car to drive one, and you don't need to know everything about Ruby to start programming with it. Written for both experienced and new programmers alike, Learning Ruby is a just-get-in-and-drive book -- a hands-on tutorial that offers lots of Ruby programs and lets you know how and why they work, just enough to get you

rolling down the road. Interest in Ruby stems from the popularity of Rails, the web development framework that's attracting new devotees and refugees from Java and PHP. But there are plenty of other uses for this versatile language. The best way to learn is to just try the code! You'll find examples on nearly every page of this book that you can imitate and hack. Briefly, this book: Outlines many of the most important features of Ruby Demonstrates how to use conditionals, and how to manipulate strings in Ruby. Includes a section on regular expressions Describes how to use operators, basic math, functions from the Math module, rational numbers, etc. Talks you through Ruby arrays, and demonstrates hashes in detail Explains how to process files with Ruby Discusses Ruby classes and modules (mixins) in detail, including a brief introduction to object-oriented programming (OOP) Introduces processing XML, the Tk toolkit, RubyGems, reflection, RDoc, embedded Ruby, metaprogramming, exception handling, and other topics Acquaints you with some of the essentials of Rails, and includes a short Rails tutorial. Each chapter concludes with a set of review questions, and appendices provide you with a glossary of terms related to Ruby programming, plus reference material from the book in one convenient location. If you want to take Ruby out for a drive, Learning Ruby holds the keys.

### **The Rails 3 Way** Obed (Obie) Fernandez

2010-12-10 The Rails™ 3 Way is a comprehensive resource that digs into the new features in Rails 3 and perhaps more importantly, the rationale behind them.

—Yehuda Katz, Rails Core The Bible for Ruby on Rails Application Development Ruby on Rails strips complexity from the development process, enabling professional developers to focus on what matters most: delivering business value via clean and maintainable code. The Rails™ 3 Way is the only comprehensive, authoritative guide to delivering production-quality code with Rails 3. Pioneering Rails expert Obie Fernandez and a team of leading experts illuminate the entire Rails 3 API, along with the idioms, design approaches, and libraries that make developing applications with Rails so powerful. Drawing on their unsurpassed experience and track record,

they address the real challenges development teams face, showing how to use Rails 3 to maximize your productivity. Using numerous detailed code examples, the author systematically covers Rails 3 key capabilities and subsystems, making this book a reference that you will turn to again and again. He presents advanced Rails programming techniques that have been proven effective in day-to-day usage on dozens of production Rails systems and offers important insights into behavior-driven development and production considerations such as scalability. Dive deep into the Rails 3 codebase and discover why Rails is designed the way it is—and how to make it do what you want it to do. This book will help you Learn what's new in Rails 3 Increase your productivity as a web application developer Realize the overall joy in programming with Rails Leverage Rails' powerful capabilities for building REST-compliant APIs Drive implementation and protect long-term maintainability using RSpec Design and manipulate your domain layer using Active Record Understand and program complex program flows using Action Controller Master sophisticated URL routing concepts Use Ajax techniques via Rails 3 support for unobtrusive JavaScript Learn to extend Rails with popular gems and plugins, and how to write your own Extend Rails with the best third-party plug-ins and write your own Integrate email services into your applications with Action Mailer Improve application responsiveness with background processing Create your own non-Active Record domain classes using Active Model Master Rails' utility classes and extensions in Active Support

### **The Rails 4 Way** Obed (Obie) Fernandez

2014-05-26 The "Bible" for Rails Development: Now Fully Updated for Rails 4.1 "When I read The Rails Way for the first time, I felt like I truly understood Rails for the first time." —From the Foreword by Steve Klabnik Ruby on Rails 4 is leaner, tighter, and even more valuable to professional web developers. More than ever, it helps you focus on what matters most: delivering business value via clean and maintainable code. The Rails™ 4 Way is the only comprehensive, authoritative guide to delivering production-quality code with Rails 4. Kevin Faustino joins pioneering Rails developer Obie Fernandez to illuminate the entire Rails 4 API, including its

most powerful and modern idioms, design approaches, and libraries. They present extensive new and updated content on security, performance, caching, Haml, RSpec, Ajax, the Asset Pipeline, and more. Through detailed code examples, you'll dive deep into the Rails 4 code base, discover why Rails is designed as it is, and learn how to make it do exactly what you want. Proven in dozens of production systems, this book's techniques will maximize your productivity and help you build more successful solutions. You'll want to keep this guide by your computer—you'll refer to it constantly. This guide will help you Build powerful, scalable REST-compliant APIs Program complex program flows using Action Controller Represent models, relationships, CRUD operations, searches, validation, callbacks, and more Smoothly evolve application database schema via Migrations Apply advanced Active Record techniques: single-table inheritance, polymorphic models, and more Create visual elements with Action View and partials Optimize performance and scalability with view caching Master the highly productive Haml HTML templating engine Make the most of Rails' approach to session management Secure your systems with Rails 4's improved authentication and authorization Resist SQL Injection, XSS, XSRF, and other attacks Extend Rails with popular gems and plugins, and learn to write your own Integrate email services with Action Mailer Use Ajax via Rails 4 support for unobtrusive JavaScript Improve responsiveness with background processing Leverage Asset Pipeline to simplify development, improve perceived performance, and reduce server burdens Accelerate implementation and promote maintainability with RSpec

**Effective Ruby** Peter J. Jones 2014-09-25 If you're an experienced Ruby programmer, Effective Ruby will help you harness Ruby's full power to write more robust, efficient, maintainable, and well-performing code. Drawing on nearly a decade of Ruby experience, Peter J. Jones brings together 48 Ruby best practices, expert tips, and shortcuts—all supported by realistic code examples. Jones offers practical advice for each major area of Ruby development, from modules to memory to metaprogramming. Throughout, he uncovers

little-known idioms, quirks, pitfalls, and intricacies that powerfully impact code behavior and performance. Each item contains specific, actionable, clearly organized guidelines; careful advice; detailed technical arguments; and illuminating code examples. When multiple options exist, Jones shows you how to choose the one that will work best in your situation. Effective Ruby will help you systematically improve your code—not by blindly following rules, but by thoroughly understanding Ruby programming techniques. Key features of this concise guide include How to avoid pitfalls associated with Ruby's sometimes surprising idiosyncrasies What you should know about inheritance hierarchies to successfully use Rails (and other large frameworks) How to use misunderstood methods to do amazingly useful things with collections Better ways to use exceptions to improve code reliability Powerful metaprogramming approaches (and techniques to avoid) Practical, efficient testing solutions, including MiniTest Unit and Spec Testing How to reliably manage RubyGem dependencies How to make the most of Ruby's memory management and profiling tools How to improve code efficiency by understanding the Ruby interpreter's internals

**Agile Web Development with Rails 6** Sam Ruby 2020-02-10 Learn Rails the way the Rails core team recommends it, along with the tens of thousands of developers who have used this broad, far-reaching tutorial and reference. If you're new to Rails, you'll get step-by-step guidance. If you're an experienced developer, get the comprehensive, insider information you need for the latest version of Ruby on Rails. The new edition of this award-winning classic is completely updated for Rails 6 and Ruby 2.6, with information on system testing, Webpack, and advanced JavaScript. Ruby on Rails helps you produce high-quality, beautiful-looking web applications quickly - you concentrate on creating the application, and Rails takes care of the details. Rails 6 brings many improvements, and this edition is updated to cover the new features and changes in best practices. We start with a step-by-step walkthrough of building a real application, and in-depth chapters look at the built-in Rails features. Follow along with an extended tutorial as you write a web-based store

application. Eliminate tedious configuration and housekeeping, seamlessly incorporate Ajax and JavaScript, send and receive emails, manage background jobs with ActiveJob, and build real-time features using WebSockets and ActionCable. Test your applications as you write them using the built-in unit, integration, and system testing frameworks, internationalize your applications, and deploy your applications easily and securely. New in this edition is coverage of Action Mailer, which allows you to receive emails in your app as well as ActionText, a zero-configuration rich text editing feature. Rails 1.0 was released in December 2005. This book was there from the start, and didn't just evolve alongside Rails, it evolved with Rails. It has been developed in consultation with the Rails core team. In fact, Rails itself is tested against the code in this book. What You Need: All you need is a Windows, Mac OS X, or Linux machine to do development on. This book will take you through the steps to install Rails and its dependencies. If you aren't familiar with the Ruby programming language, this book contains a chapter that covers the basics necessary to understand the material in the book.

Eloquent Ruby Russ Olsen 2011-02-07 It's easy to write correct Ruby code, but to gain the fluency needed to write great Ruby code, you must go beyond syntax and absorb the "Ruby way" of thinking and problem solving. In Eloquent Ruby, Russ Olsen helps you write Ruby like true Rubyists do—so you can leverage its immense, surprising power. Olsen draws on years of experience internalizing the Ruby culture and teaching Ruby to other programmers. He guides you to the "Ah Ha!" moments when it suddenly becomes clear why Ruby works the way it does, and how you can take advantage of this language's elegance and expressiveness. Eloquent Ruby starts small, answering tactical questions focused on a single statement, method, test, or bug. You'll learn how to write code that actually looks like Ruby (not Java or C#); why Ruby has so many control structures; how to use strings, expressions, and symbols; and what dynamic typing is really good for. Next, the book addresses bigger questions related to building methods and classes. You'll discover why Ruby classes contain so many tiny methods, when to use operator overloading, and

when to avoid it. Olsen explains how to write Ruby code that writes its own code—and why you'll want to. He concludes with powerful project-level features and techniques ranging from gems to Domain Specific Languages. A part of the renowned Addison-Wesley Professional Ruby Series, Eloquent Ruby will help you "put on your Ruby-colored glasses" and get results that make you a true believer.

**The Pragmatic Programmer** Andrew Hunt 1999-10-20 What others in the trenches say about The Pragmatic Programmer... "The cool thing about this book is that it's great for keeping the programming process fresh. The book helps you to continue to grow and clearly comes from people who have been there." —Kent Beck, author of Extreme Programming Explained: Embrace Change "I found this book to be a great mix of solid advice and wonderful analogies!" —Martin Fowler, author of Refactoring and UML Distilled "I would buy a copy, read it twice, then tell all my colleagues to run out and grab a copy. This is a book I would never loan because I would worry about it being lost." —Kevin Ruland, Management Science, MSG-Logistics "The wisdom and practical experience of the authors is obvious. The topics presented are relevant and useful.... By far its greatest strength for me has been the outstanding analogies—tracer bullets, broken windows, and the fabulous helicopter-based explanation of the need for orthogonality, especially in a crisis situation. I have little doubt that this book will eventually become an excellent source of useful information for journeymen programmers and expert mentors alike." —John Lakos, author of Large-Scale C++ Software Design "This is the sort of book I will buy a dozen copies of when it comes out so I can give it to my clients." —Eric Vought, Software Engineer "Most modern books on software development fail to cover the basics of what makes a great software developer, instead spending their time on syntax or technology where in reality the greatest leverage possible for any software team is in having talented developers who really know their craft well. An excellent book." —Pete McBreen, Independent Consultant "Since reading this book, I have implemented many of the practical suggestions and tips it contains. Across the board, they have

saved my company time and money while helping me get my job done quicker! This should be a desktop reference for everyone who works with code for a living.” —Jared Richardson, Senior Software Developer, iRenaissance, Inc. “I would like to see this issued to every new employee at my company....” —Chris Cleeland, Senior Software Engineer, Object Computing, Inc. “If I’m putting together a project, it’s the authors of this book that I want. . . . And failing that I’d settle for people who’ve read their book.” —Ward Cunningham Straight from the programming trenches, *The Pragmatic Programmer* cuts through the increasing specialization and technicalities of modern software development to examine the core process—taking a requirement and producing working, maintainable code that delights its users. It covers topics ranging from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse. Read this book, and you’ll learn how to Fight software rot; Avoid the trap of duplicating knowledge; Write flexible, dynamic, and adaptable code; Avoid programming by coincidence; Bullet-proof your code with contracts, assertions, and exceptions; Capture real requirements; Test ruthlessly and effectively; Delight your users; Build teams of pragmatic programmers; and Make your developments more precise with automation. Written as a series of self-contained sections and filled with entertaining anecdotes, thoughtful examples, and interesting analogies, *The Pragmatic Programmer* illustrates the best practices and major pitfalls of many different aspects of software development. Whether you’re a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you’ll quickly see improvements in personal productivity, accuracy, and job satisfaction. You’ll learn skills and develop habits and attitudes that form the foundation for long-term success in your career. You’ll become a Pragmatic Programmer.

*Exercises in Programming Style* Cristina Videira Lopes 2020-08-30 Using a simple computational task (term frequency) to illustrate different programming styles, *Exercises in Programming Style* helps readers understand the various ways

of writing programs and designing systems. It is designed to be used in conjunction with code provided on an online repository. The book complements and explains the raw code in a way that is accessible to anyone who regularly practices the art of programming. The first edition was honored as an ACM Notable Book and praised as “The best programming book of the decade.” This new edition will retain the same presentation, but the entire book will be upgraded to Python 3, and a new section will be added on neural network styles. The book contains 33 different styles for writing the term frequency task. The styles are grouped into nine categories: historical, basic, function composition, objects and object interactions, reflection and metaprogramming, adversity, data-centric, concurrency, and interactivity. The author verbalizes the constraints in each style and explains the example programs. Each chapter first presents the constraints of the style, next shows an example program, and then gives a detailed explanation of the code. Most chapters also have sections focusing on the use of the style in systems design as well as sections describing the historical context in which the programming style emerged.

*Ruby on Rails Tutorial* Michael Hartl 2016-11-17 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you’re new to web development or new only to Rails, *Ruby on Rails™ Tutorial, Fourth Edition*, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial’s examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials

not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

**Distributed Programming with Ruby** Mark Bates 2009-11-05 Complete, Hands-On Guide to Building Advanced Distributed Applications with Ruby Distributed programming techniques make applications easier to scale, develop, and deploy—especially in emerging cloud computing environments. Now, one of the Ruby community's leading experts has written the first definitive guide to distributed programming with Ruby. Mark Bates begins with a simple distributed application, and then walks through an increasingly complex series of examples, demonstrating solutions to the most common distributed programming problems. Bates presents the industry's most useful coverage of Ruby's standard distributed programming libraries, DRb and Rinda. Next, he introduces powerful third-party tools, frameworks, and

libraries designed to simplify Ruby distributed programming, including his own Distribunaut. If you're an experienced Ruby programmer or architect, this hands-on tutorial and practical reference will help you meet any distributed programming challenge, no matter how complex. Coverage includes Writing robust, secure, and interactive applications using DRb—and managing its drawbacks Using Rinda to build applications with improved flexibility, fault tolerance, and service discovery Simplifying DRb service management with RingyDingy Utilizing Starfish to facilitate communication between distributed programs and to write MapReduce functions for processin large data sets Using Politics to customize the processes running on individual server instances in a cloud computing environment Providing reliable distributed queuing with the low-overhead Starling messaging server Implementing comprehensive enterprise messaging with RabbitMQ and Advanced Message Queuing Protocol (AMQP) Offloading heavyweight tasks with BackgroundDRb and DelayedJob

**The Ruby Way** Hal Fulton 2015-02-11 For more than a decade, Ruby developers have turned to *The Ruby Way* for reliable “how-to” guidance on effective Ruby programming. Now, Hal Fulton and André Arko have thoroughly updated this classic guide to cover new language enhancements and developers' experiences through Ruby 2.1. The new edition illuminates Ruby 2.1 through 400+ examples, each answering the question: “How do I do this in Ruby?” For each example, they present both a task description and realistic technical constraints. Next, they walk step-by-step through presenting one good solution, offering detailed explanations to promote deeper understanding. Conveniently organized by topic, *The Ruby Way*, Third Edition makes it easier than ever to find the specific solution you want—and to write better code by reflecting Ruby's unique philosophy and spirit. Coverage includes Ruby 2.1 overview: terminology, philosophy, and basic principles Best practices for strings and regular expressions Efficiently internationalizing your code Performing calculations (including trigonometry, calculus, statistics, and time/date calculations) Working with “Rubyesque” objects such as symbols and

ranges Using arrays, hashes, stacks, queues, trees, graphs, and other data structures  
Efficiently storing data with YAML, JSON, and SQLite3 Leveraging object-oriented and dynamic features, from multiple constructors to program inspection Building GUIs with Shoes 4, Ruby/Tk, Ruby/GTK3, QtRuby, and other toolkits  
Improving thread performance by understanding Ruby's synchronization methods and avoiding its pitfalls Automating system administration with Ruby Data formats: JSON, XML, RSS, Atom, RMagick, PDF, and more Testing and debugging with RSpec, Minitest, Cucumber, byebug, and pry Measuring Ruby program performance  
Packaging and distributing code, and managing dependencies with Bundler Network programming: clients, time servers, POP, SMTP, IMAP, Open-URI Web applications: HTTP servers, Rails, Sinatra, HTML generation, and more Writing distributed Ruby software with drb  
Choosing modern development tools that maximize your productivity All source code for this book may be downloaded at [www.rubyhacker.com](http://www.rubyhacker.com). [informit.com/aw](http://informit.com/aw) [informit.com/ruby](http://informit.com/ruby) [rubyhacker.com/therubyway](http://rubyhacker.com/therubyway) [therubyway.io](http://therubyway.io)

*The Merb Way* Foy Savas 2009-06-24 "Foy is a gifted writer and his descriptions of the philosophies that impacted the design and implementation of Merb are definitely useful to everyone affected by the changes in Rails 3."  
—Obie Fernandez, Series Editor *The Expert Guide to Building Merb Applications* Thousands of Ruby and Rails developers are discovering the extraordinary scalability, agility, flexibility, and performance offered by the new Merb MVC framework. *The Merb Way* is the first comprehensive guide to using, extending, and deploying Merb. Like the bestseller *The Rails Way* (Addison-Wesley, 2008), this book can either be read cover-to-cover as a tutorial or used for modular coverage that makes it an ideal task reference. Foy Savas systematically covers everything developers need to know to build production-quality Merb applications, offering detailed code examples for jumpstarting virtually any project. Savas is not only involved in the Merb project as an open source contributor: He uses Merb every day as a professional developer. Drawing on his extensive practical expertise, he delves deeply into the Merb framework's

architecture and source code, revealing its elegance and offering powerful best practices for using it. To maximize this book's practical value, he also covers the tools most widely used alongside Merb, including the DataMapper ORM, the RSpec tester (and associated behavior-driven development techniques), and several leading Merb plugins. *The Merb Way* will help you Master Merb innovations that will be incorporated into Rails 3 Understand the fundamentals of Merb development, one step at a time Use Merb's sophisticated application router to guide incoming requests Explore the Merb stack, master its configuration options, and dive into its internals Use Merb controllers to integrate application code, handle responses, and manage sessions, filters, and exceptions Build templates with both ERB (Erubis) and HAML Use the DataMapper ORM to represent object properties and behaviors Learn best practices for RESTful development with Merb Leverage Helpers to simplify many common development tasks Refactor code, encapsulate it in gems, and share it across multiple applications Customize the responses your application sends to each user Gain a deep, practical understanding of Merb plugins and extensibility Authenticate users with Merb's modular authentication plugin Configure, generate, describe, and test Merb mailers Use the merb-parts gem to create component-like regions on Web pages Cache content to relieve stress on Web servers Make the most of Behavior Driven Development and testing with RSpec

**Ruby on Rails** Michael Hartl 2011 Use Michael Hartl's Acclaimed Video Lessons and Best-Selling Book Side by Side to Master Rails Fast! LiveLessons™ DVD with 18+ hours of video instruction—a \$150 value Michael Hartl's Ruby on Rails™ 3 Tutorial, the #1 hands-on guide to Rails web programming—a \$40 value A \$190 value, this package delivers instant skills, answers, and solutions from 18+ hours of video LiveLessons (a \$150 value)...plus deeper insights from Ruby on Rails™ 3 Tutorial, the #1 Rails development guide (a \$40 value). About the LiveLessons DVD These focused video lessons help you learn crucial new skills fast—and put them to work immediately! Watch top Rails developer Michael Hartl guide you through

building a complete application using today's best practices for MVC and REST design, layout, Ruby coding, security, testing, deployment, and more. Just place the DVD video in your computer's DVD drive, and master Rails the easy way.

*The Well-Grounded Rubyist* Joe Leo 2019-03-05  
Summary The Well-Grounded Rubyist, Third Edition is a beautifully written tutorial that begins with your first Ruby program and takes you all the way to sophisticated topics like reflection, threading, and recursion. Ruby masters David A. Black and Joe Leo distill their years of knowledge for you, concentrating on the language and its uses so you can use Ruby in any way you choose. Updated for Ruby 2.5. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Designed for developer productivity, Ruby is an easy-to-learn dynamic language perfect for creating virtually any kind of software. Its famously friendly development community, countless libraries, and amazing tools, like the Rails framework, have established it as the language of choice for high-profile companies, including GitHub, SlideShare, and Shopify. The future is bright for the well-grounded Rubyist! About the Book In The Well-Grounded Rubyist, Third Edition, expert authors David A. Black and Joseph Leo deliver Ruby mastery in an easy-to-read, casual style. You'll lock in core principles as you write your first Ruby programs. Then, you'll progressively build up to topics like reflection, threading, and recursion, cementing your knowledge with high-value exercises to practice your skills along the way. What's Inside Basic Ruby syntax Running Ruby extensions FP concepts like currying, side-effect-free code, and recursion Ruby 2.5 updates About the Reader For readers with beginner-level programming skills. About the Authors David A. Black is an internationally known Ruby developer and author, and a cofounder of Ruby Central. Ruby teacher and advocate Joseph Leo III is the founder of Def Method and lead organizer of the Gotham Ruby Conference. Table of Contents PART 1 RUBY FOUNDATIONS Bootstrapping your Ruby literacy Objects, methods, and local variables Organizing objects with classes Modules and program organization The default object (self), scope, and visibility

Control-flow techniques PART 2 BUILT-IN CLASSES AND MODULES Built-in essentials Strings, symbols, and other scalar objects Collection and container objects Collections central: Enumerable and Enumerator Regular expressions and regexp-based string operations File and I/O operations PART 3 RUBY DYNAMICS Object individuation Callable and runnable objects Callbacks, hooks, and runtime introspection Ruby and functional programming **The Rails 4 Way** Obie Fernandez 2014 The "Bible" for Rails Development: Now Fully Updated for Rails 4.1 "When I read The Rails Way for the first time, I felt like I truly understood Rails for the first time." --From the Foreword by Steve Klabnik Ruby on Rails 4 is leaner, tighter, and even more valuable to professional web developers. More than ever, it helps you focus on what matters most: delivering business value via clean and maintainable code. The Rails(tm) 4 Way is the only comprehensive, authoritative guide to delivering production-quality code with Rails 4. Kevin Faustino joins pioneering Rails developer Obie Fernandez to illuminate the entire Rails 4 API, including its most powerful and modern idioms, design approaches, and libraries. They present extensive new and updated content on security, performance, caching, Haml, RSpec, Ajax, the Asset Pipeline, and more. Through detailed code examples, you'll dive deep into the Rails 4 code base, discover why Rails is designed as it is, and learn how to make it do exactly what you want. Proven in dozens of production systems, this book's techniques will maximize your productivity and help you build more successful solutions. You'll want to keep this guide by your computer--you'll refer to it constantly. This guide will help you Build powerful, scalable REST-compliant APIs Program complex program flows using Action Controller Represent models, relationships, CRUD operations, searches, validation, callbacks, and more Smoothly evolve application database schema via Migrations Apply advanced Active Record techniques: single-table inheritance, polymorphic models, and more Create visual elements with Action View and partials Optimize performance and scalability with view caching Master the highly productive Haml HTML templating engine Make the most of Rails' approach to session

management Secure your systems with Rails 4's improved authentication and authorization Resist SQL Injection, XSS, XSRF, and other attacks Extend Rails with popular gems and plugins, and learn to write your own Integrate email services with Action Mailer Use Ajax via Rails 4 support for unobtrusive JavaScript Improve responsiveness with background processing Leverage Asset Pipeline to simplify development, improve perceived performance, and reduce server burdens Accelerate implementation and promote maintainability with RSpec

Design Patterns in Ruby (Adobe Reader) Russ Olsen 2007-12-10 Praise for Design Patterns in Ruby " Design Patterns in Ruby documents smart ways to resolve many problems that Ruby developers commonly encounter. Russ Olsen has done a great job of selecting classic patterns and augmenting these with newer patterns that have special relevance for Ruby. He clearly explains each idea, making a wealth of experience available to Ruby developers for their own daily work." —Steve Metsker, Managing Consultant with Dominion Digital, Inc. "This book provides a great demonstration of the key 'Gang of Four' design patterns without resorting to overly technical explanations. Written in a precise, yet almost informal style, this book covers enough ground that even those without prior exposure to design patterns will soon feel confident applying them using Ruby. Olsen has done a great job to make a book about a classically 'dry' subject into such an engaging and even occasionally humorous read." —Peter Cooper "This book renewed my interest in understanding patterns after a decade of good intentions. Russ picked the most useful patterns for Ruby and introduced them in a straightforward and logical manner, going beyond the GoF's patterns. This book has improved my use of Ruby, and encouraged me to blow off the dust covering the GoF book." —Mike Stok " Design Patterns in Ruby is a great way for programmers from statically typed objectoriented languages to learn how design patterns appear in a more dynamic, flexible language like Ruby." —Rob Sanheim, Ruby Ninja, Relevance Most design pattern books are based on C++ and Java. But Ruby is different—and the language's unique qualities

make design patterns easier to implement and use. In this book, Russ Olsen demonstrates how to combine Ruby's power and elegance with patterns, and write more sophisticated, effective software with far fewer lines of code. After reviewing the history, concepts, and goals of design patterns, Olsen offers a quick tour of the Ruby language—enough to allow any experienced software developer to immediately utilize patterns with Ruby. The book especially calls attention to Ruby features that simplify the use of patterns, including dynamic typing, code closures, and "mixins" for easier code reuse. Fourteen of the classic "Gang of Four" patterns are considered from the Ruby point of view, explaining what problems each pattern solves, discussing whether traditional implementations make sense in the Ruby environment, and introducing Ruby-specific improvements. You'll discover opportunities to implement patterns in just one or two lines of code, instead of the endlessly repeated boilerplate that conventional languages often require. Design Patterns in Ruby also identifies innovative new patterns that have emerged from the Ruby community. These include ways to create custom objects with metaprogramming, as well as the ambitious Rails-based "Convention Over Configuration" pattern, designed to help integrate entire applications and frameworks. Engaging, practical, and accessible, Design Patterns in Ruby will help you build better software while making your Ruby programming experience more rewarding.

Professional Ruby Collection James Adam 2007 GET STRAIGHT TO THE LEADING EDGE WITH RUBY AND RAILS Information that's so hot, new, and valuable, you can't wait for a book. This package brings together 8 breakthrough primers on today's most valuable Ruby and Rails technologies -- including five new digital Short Cuts worth \$69.95! From RailsSpace to ActiveRecord to Mongrel, here's new content, techniques, and code from the Ruby community's top innovators: insiders' information that's never been available before in one place. On the CD-ROM: 5 brand-new digital Short Cuts... Mongrel: Serving, Deploying, and Extending Your Ruby Applications, by Matt Pelletier and Zed Shaw Rails Plugins: Extending Rails Beyond the Core,

by James Adam Rails Routing, by David A. Black Rails Refactoring to Resources: Using CRUD and REST in Your Rails Application, by Trotter Cashion Rubyisms in Rails, by Jacob Harris PLUS, PRINTED BONUS CONTENT INCLUDES Working with Active Record (from the forthcoming Addison-Wesley book The Rails Way by Obie Fernandez) RESTful Blogs (from RailsSpace by Michael Hartl and Aurelius Prochazka) OOP and Dynamic Features in Ruby (from The Ruby Way, Second Edition, by Hal Fulton)

**Rails Recipes** Chad Fowler 2012 Provides information on creating Web-based applications using Ruby.

*The Pragmatic Programmer* David Thomas 2019-07-30 "One of the most significant books in my life." -Obie Fernandez, Author, The Rails Way "Twenty years ago, the first edition of The Pragmatic Programmer completely changed the trajectory of my career. This new edition could do the same for yours." -Mike Cohn, Author of Succeeding with Agile, Agile Estimating and Planning, and User Stories Applied ". . . filled with practical advice, both technical and professional, that will serve you and your projects well for years to come." -Andrea Goulet, CEO, Corgibytes, Founder, LegacyCode.Rocks ". . . lightning does strike twice, and this book is proof." -VM (Vicky) Brasseur, Director of Open Source Strategy, Juniper Networks The Pragmatic Programmer is one of those rare tech books you'll read, re-read, and read again over the years. Whether you're new to the field or an experienced practitioner, you'll come away with fresh insights each and every time. Dave Thomas and Andy Hunt wrote the first edition of this influential book in 1999 to help their clients create better software and rediscover the joy of coding. These lessons have helped a generation of programmers examine the very essence of software development, independent of any particular language, framework, or methodology, and the Pragmatic philosophy has spawned hundreds of books, screencasts, and audio books, as well as thousands of careers and success stories. Now, twenty years later, this new edition re-examines what it means to be a modern programmer. Topics range from personal responsibility and career development to architectural techniques for keeping your

code flexible and easy to adapt and reuse. Read this book, and you'll learn how to: Fight software rot Learn continuously Avoid the trap of duplicating knowledge Write flexible, dynamic, and adaptable code Harness the power of basic tools Avoid programming by coincidence Learn real requirements Solve the underlying problems of concurrent code Guard against security vulnerabilities Build teams of Pragmatic Programmers Take responsibility for your work and career Test ruthlessly and effectively, including property-based testing Implement the Pragmatic Starter Kit Delight your users Written as a series of self-contained sections and filled with classic and fresh anecdotes, thoughtful examples, and interesting analogies, The Pragmatic Programmer illustrates the best approaches and major pitfalls of many different aspects of software development. Whether you're a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you'll quickly see improvements in personal productivity, accuracy, and job satisfaction. You'll learn skills and develop habits and attitudes that form the foundation for long-term success in your career. You'll become a Pragmatic Programmer. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Rails AntiPatterns Chad Pytel 2010-11-09 The Complete Guide to Avoiding and Fixing Common Rails 3 Code and Design Problems As developers worldwide have adopted the powerful Ruby on Rails web framework, many have fallen victim to common mistakes that reduce code quality, performance, reliability, stability, scalability, and maintainability. Rails™ AntiPatterns identifies these widespread Rails code and design problems, explains why they're bad and why they happen—and shows exactly what to do instead. The book is organized into concise, modular chapters—each outlines a single common AntiPattern and offers detailed, cookbook-style code solutions that were previously difficult or impossible to find. Leading Rails developers Chad Pytel and Tammer Saleh also offer specific guidance for refactoring existing bad code or design to reflect sound object-oriented principles and established Rails

best practices. With their help, developers, architects, and testers can dramatically improve new and existing applications, avoid future problems, and establish superior Rails coding standards throughout their organizations. This book will help you understand, avoid, and solve problems with Model layer code, from general object-oriented programming violations to complex SQL and excessive redundancy Domain modeling, including schema and database issues such as normalization and serialization View layer tools and conventions Controller-layer code, including RESTful code Service-related APIs, including timeouts, exceptions, backgrounding, and response codes Third-party code, including plug-ins and gems Testing, from test suites to test-driven development processes Scaling and deployment Database issues, including migrations and validations System design for “graceful degradation” in the real world

**Practical Object-Oriented Design** Sandi Metz  
2018-07-10 The Complete Guide to Writing Maintainable, Manageable, Pleasing, and Powerful Object-Oriented Applications Object-oriented programming languages exist to help you create beautiful, straightforward applications that are easy to change and simple to extend. Unfortunately, the world is awash with object-oriented (OO) applications that are difficult to understand and expensive to change. Practical Object-Oriented Design, Second Edition, immerses you in an OO mindset and teaches you powerful, real-world, object-oriented design techniques with simple and practical examples. Sandi Metz demonstrates how to build new applications that can “survive success” and repair existing applications that have become impossible to change. Each technique is illustrated with extended examples in the easy-to-understand Ruby programming language, all downloadable from the companion website, [poodr.com](http://poodr.com). Fully updated for Ruby 2.5, this guide shows how to Decide what belongs in a single class Avoid entangling objects that should be kept separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully apply inheritance Build objects via composition Whatever your previous object-oriented experience, this concise guide will help you

achieve the superior outcomes you’re looking for. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

*Effective Testing with RSpec 3* Myron Marston  
2017-08-30 "Our tests are broken again!" "Why does the suite take so long to run?" "What value are we getting from these tests anyway?" Solve your testing problems by building and maintaining quality software with RSpec - the popular BDD-flavored Ruby testing framework. This definitive guide from RSpec's lead developer shows you how to use RSpec to drive more maintainable designs, specify and document expected behavior, and prevent regressions during refactoring. Build a project using RSpec to design, describe, and test the behavior of your code. Whether you're new to automated tests or have been using them for years, this book will help you write more effective tests. RSpec has been downloaded more than 100 million times and has inspired countless test frameworks in other languages. Use this influential Ruby testing framework to iteratively develop a project with the confidence that comes from well-tested code. This book guides you through creating a Ruby project with RSpec, and explores the individual components in detail. Start by learning the basics of installing and using RSpec. Then build a real-world JSON API, using RSpec throughout the process to drive a BDD-style outside-in workflow. Apply an effective test strategy to write fast, robust tests that support evolutionary design through refactoring. The rest of the book provides the definitive guide to RSpec's components. Use `rspec-core`'s metadata to slice and dice your spec suite. Dig into `rspec-expectations`' matchers: compose them in flexible ways, specify expected outcomes with precision, and diagnose problems quickly with the help of good failure messages. Write fast, isolated tests with `rspec-mocks`' test doubles while pushing your code toward simpler interfaces. The authors, with a combined 20 years of automated testing experience, share testing wisdom that will lead to a fun, productive testing experience. What You Need: To follow along with the book, you'll need Ruby 2.2+. The book will guide you through installing RSpec 3 and setting up a new project to use it.

**Head First Rails** David Griffiths 2013-05-23

Ready to transport your web applications into the Web 2.0 era? Head First Rails takes your programming -- and productivity -- to the max. You'll learn everything from the fundamentals of Rails scaffolding to building customized interactive web apps using Rails' rich set of tools and the MVC framework. By the time you're finished, you'll have learned more than just another web framework. You'll master database interactions, integration with Ajax and XML, rich content, and even dynamic graphing of your data -- all in a fraction of the time it takes to build the same apps with Java, PHP, ASP.NET, or Perl. You'll even get comfortable and familiar with Ruby, the language that underpins Rails. But you'll do it in the context of web programming, and not through boring exercises such as "Hello, World!" Your time is way too valuable to waste struggling with new concepts. Using the latest research in cognitive science and learning theory to craft a multi-sensory learning experience, Head First Rails uses a visually rich format designed to take advantage of the way your brain really works.

**Refactoring** Jay Fields 2009-10 The Definitive Refactoring Guide, Fully Revamped for Ruby With refactoring, programmers can transform even the most chaotic software into well-designed systems that are far easier to evolve and maintain. What's more, they can do it one step at a time, through a series of simple, proven steps. Now, there's an authoritative and extensively updated version of Martin Fowler's classic refactoring book that utilizes Ruby examples and idioms throughout-not code adapted from Java or any other environment. The authors introduce a detailed catalog of more than 70 proven Ruby refactorings, with specific guidance on when to apply each of them, step-by-step instructions for using them, and example code illustrating how they work. Many of the authors' refactorings use powerful Ruby-specific features, and all code samples are available for download. Leveraging Fowler's original concepts, the authors show how to perform refactoring in a controlled, efficient, incremental manner, so you methodically improve your code's structure without introducing new bugs. Whatever your role in writing or maintaining Ruby code, this book will be an indispensable

resource. This book will help you \* Understand the core principles of refactoring and the reasons for doing it \* Recognize "bad smells" in your Ruby code \* Rework bad designs into well-designed code, one step at a time \* Build tests to make sure your refactorings work properly \* Understand the challenges of refactoring and how they can be overcome \* Compose methods to package code properly \* Move features between objects to place responsibilities where they fit best \* Organize data to make it easier to work with \* Simplify conditional expressions and make more effective use of polymorphism \* Create interfaces that are easier to understand and use \* Generalize more effectively \* Perform larger refactorings that transform entire software systems and may take months or years \* Successfully refactor Ruby on Rails code  
**The Lean Enterprise** Trevor Owens 2014-03-13 #1 Amazon Bestseller in Lean Management Discover the methods of lean startups that can revolutionize large organizations and their products Even in a tough economic climate, the startup business community has found a way to create innovative, game-changing products in shockingly short timeframes. So why should larger, more established companies take notice? Because they have everything to gain when they examine and adopt the strategies, tools, and attitudes of these smaller competitors. The Lean Enterprise presents a groundbreaking design for revolutionizing larger organizations, one that draws on the ingenious tenets and practices espoused by the startup community. The guidelines in this book will help companies shake the lethargy, bureaucracy, and power struggles that plague large organizations and hold them back from true innovation. At the heart of this resource is a comprehensive, practical approach based on methods, timetables, compensation, financial investment, and case studies that reveal the startup mentality. Respected thought leaders in lean startup methodologies, the authors cover successful enterprise development, development innovation labs, corporate venture arms, and acquisition and integration of startups. Essential reading for entrepreneurs, product managers, executives and directors in Forbes 2000 organizations, and board members Presents the tools and methodologies large businesses need

to compete with a new generation of highly-empowered entrepreneurs Covers lean startup culture and principles and identifies the behaviors that are stunting growth at large enterprises Offers a comprehensive, practical approach for developing exciting products and services and opening vast new markets Don't be mystified by the success of startups. Master the methods of this new generation of entrepreneurs and compete on a level playing field.

### **Practical Object-oriented Design in Ruby**

Sandi Metz 2013 The Complete Guide to Writing More Maintainable, Manageable, Pleasing, and Powerful Ruby Applications Ruby's widely admired ease of use has a downside: Too many Ruby and Rails applications have been created without concern for their long-term maintenance or evolution. The Web is awash in Ruby code that is now virtually impossible to change or extend. This text helps you solve that problem by using powerful real-world object-oriented design techniques, which it thoroughly explains using simple and practical Ruby examples. Sandi Metz has distilled a lifetime of conversations and presentations about object-oriented design into a set of Ruby-focused practices for crafting manageable, extensible, and pleasing code. She shows you how to build new applications that can survive success and repair existing applications that have become impossible to change. Each technique is illustrated with extended examples, all downloadable from the companion Web site, [poodr.info](http://poodr.info). The first title to focus squarely on object-oriented Ruby application design, *Practical Object-Oriented Design in Ruby* will guide you to superior outcomes, whatever your previous Ruby experience. Novice Ruby programmers will find specific rules to live by; intermediate Ruby programmers will find valuable principles they can flexibly interpret and apply; and advanced Ruby programmers will find a common language they can use to lead development and guide their colleagues. This guide will help you Understand how object-oriented programming can help you craft Ruby code that is easier to maintain and upgrade Decide what belongs in a single Ruby class Avoid entangling objects that should be kept separate Define flexible interfaces among objects Reduce programming overhead costs with duck typing Successfully

apply inheritance Build objects via composition Design cost-effective tests Solve common problems associated with poorly designed Ruby code

### Unleashing Web 2.0 Gottfried Vossen

2010-07-28 The emergence of Web 2.0 is provoking challenging questions for developers: What products and services can our company provide to customers and employees using Rich Internet Applications, mash-ups, Web feeds or Ajax? Which business models are appropriate and how do we implement them? What are best practices and how do we apply them? If you need answers to these and related questions, you need *Unleashing Web 2.0*—a comprehensive and reliable resource that guides you into the emerging and unstructured landscape that is Web 2.0. Gottfried Vossen is a professor of Information Systems and Computer Science at the University of Muenster in Germany. He is the European Editor-in-Chief of Elsevier's *Information Systems—An International Journal*. Stephan Hagemann is a PhD. Student in Gottfried's research group focused on Web technologies. Presents a complete view of Web 2.0 including services and technologies Discusses potential new products and services and the technology and programming ability needed to realize them Offers 'how to' basics presenting development frameworks and best practices Compares and contrasts Web 2.0 with the Semantic Web

### *Crafting Rails 4 Applications* Jose Valim

2013-11-14 Get ready to see Rails as you've never seen it before. Learn how to extend the framework, change its behavior, and replace whole components to bend it to your will. Eight different test-driven tutorials will help you understand Rails' inner workings and prepare you to tackle complicated projects with solutions that are well-tested, modular, and easy to maintain. This second edition of the bestselling *Crafting Rails Applications* has been updated to Rails 4 and discusses new topics such as streaming, mountable engines, and thread safety. Rails is one of the most extensible frameworks out there. This pioneering book deep-dives into the Rails plugin APIs and shows you, the intermediate Rails developer, how to use them to write better web applications and make your day-to-day work with Rails more

productive. Rails Core developer Jose Valim guides you through eight different tutorials, each using test-driven development to build a new Rails plugin or application that solves common problems with these APIs. You'll learn how the Rails rendering stack works and customize it to read templates from the database while you discover how to mimic Active Record behavior, such as validations, in any other object. You'll find out how Rails integrates with Rack, the different ways to stream data from your web application, and how to mix Rails engines and Sinatra applications into your Rails apps, so you can choose the most appropriate tool for the job. In addition, you'll improve your productivity by customizing generators and responders. This book will help you understand Rails' inner workings, including generators, template handlers, internationalization, routing, and responders. With the knowledge you'll gain, you'll create well-tested, modular, and robust solutions for your next project.

**Service-Oriented Design with Ruby and Rails** Paul Dix 2010-08-17 The Complete Guide to Building Highly Scalable, Services-Based Rails Applications Ruby on Rails deployments are growing, and Rails is increasingly being adopted in larger environments. Today, Rails developers and architects need better ways to interface with legacy systems, move into the cloud, and scale to handle higher volumes and greater complexity. In *Service-Oriented Design with Ruby and Rails*, Paul Dix introduces a powerful, services-based design approach geared toward overcoming all these challenges. Using Dix's techniques, readers can leverage the full benefits of both Ruby and Rails, while overcoming the difficulties of working with larger codebases and teams. Dix demonstrates how to integrate multiple components within an enterprise application stack; create services that can easily grow and connect; and design systems that are easier to maintain and upgrade. Key concepts are explained with detailed Ruby code that was built using open source libraries such as ActiveRecord, Sinatra, Nokogiri, and Typhoeus. The book concludes with coverage of security, scaling, messaging, and interfacing with third-party services. *Service-Oriented Design with Ruby and Rails* will help you Build highly scalable, Ruby-based service architectures that

operate smoothly in the cloud or with legacy systems Scale Rails systems to handle more requests, larger development teams, and more complex code bases Master new best practices for designing and creating services in Ruby Use Ruby to glue together services written in any language Use Ruby libraries to build and consume RESTful web services Use Ruby JSON parsers to quickly represent resources from HTTP services Write lightweight, well-designed API wrappers around internal or external services Discover powerful non-Rails frameworks that simplify Ruby service implementation Implement standards-based enterprise messaging with Advanced Message Queuing Protocol (AMQP) Optimize performance with load balancing and caching Provide for security and authentication

*The Rails 5 Way* Obie Fernandez 2017-11-22 The "Bible" for Rails Development: Fully Updated for Rails 5 "When I read *The Rails Way* for the first time, I felt like I truly understood Rails for the first time." —Steve Klabnik, Rails contributor and mentor *The Rails™ 5 Way* is the comprehensive, authoritative reference guide for professionals delivering production-quality code using modern Ruby on Rails. Obie Fernandez illuminates the entire Rails 5 API, its most powerful idioms, design approaches, and libraries. He presents new and updated content on Action Cable, RSpec 3.4, Turbolinks 5.0, the Attributes API, and many other enhancements, both major and subtle. Through detailed code examples, you'll dive deep into Ruby on Rails, discover why it's designed as it is, and learn to make it do exactly what you want. Proven in thousands of production systems, the knowledge in this book will maximize your productivity and help you build more successful solutions. Build powerful, scalable, REST-compliant back-end services Program complex program flows using Action Controller Represent models, relationships, and operations in Active Record, and apply advanced Active Record techniques Smoothly evolve database schema via Migrations Craft front-ends with ActionView and the Asset Pipeline Optimize performance and scalability with caching and Turbolinks 5.0 Improve your productivity using Haml HTML templating Secure your systems against attacks like SQL Injection, XSS, and XSRF Integrate email using

Action Mailer Enable real-time, websockets-based browser behavior with Action Cable Improve responsiveness with background processing Build "API-only" back-end projects that speak JSON Leverage enhancements to Active Job, serialization, and Ajax support *RailsSpace* Michael Hartl 2007-07-20 Ruby on Rails is fast displacing PHP, ASP, and J2EE as the development framework of choice for discriminating programmers, thanks to its elegant design and emphasis on practical results. RailsSpace teaches you to build large-scale projects with Rails by developing a real-world application: a social networking website like MySpace, Facebook, or Friendster. Inside, the authors walk you step by step from the creation of the site's virtually static front page, through user registration and authentication, and into a highly dynamic site, complete with user profiles, image upload, email, blogs, full-text and geographical search, and a friendship request system. In the process, you learn how Rails helps you control code complexity with the model-view-controller (MVC) architecture, abstraction layers, automated testing, and code refactoring, allowing you to scale up to a large project even with a small number of developers. This essential introduction to Rails provides A tutorial approach that allows you to experience Rails as it is actually used A solid foundation for creating any login-based website in Rails Coverage of newer and more advanced Rails features, such as form generators, REST, and Ajax (including RJS) A thorough and integrated introduction to automated testing The book's companion website provides the application source code, a blog with follow-up articles, narrated screencasts, and a working version of the RailSpace social network.

Comprehensive Ruby Programming Jordan Hudgens 2017-06-30 This book will provide you with all of the tools you need to be a professional Ruby developer. Starting with the core principles, such as syntax and best practices, and up to advanced topics like metaprogramming and big data analysis. About This Book Provides the core skills required to become a Ruby programmer Covers how to use the most popular Ruby Gem libraries Includes details on regular expressions Who This Book Is For This is a complete course written from the

ground up for beginners wanting to gain a solid understanding of the Ruby language. It starts at the beginning with how to install Ruby and work with it on multiple machines, so simply have a computer that's connected to the Internet and you'll be ready. What You Will Learn Learn how to use Ruby code effectively, picking the right tool for the job and not duplicating built-in functionality Gain best software development practices, and how to identify and fix common errors Absorb core programming skills, such as variables, strings, loops, conditionals, and much more Explore object-oriented programming and learn to create modular, reusable code that you can use across projects Build 10 practical Ruby programs as you work through the book on topics such as big data analysis and solving Euler equations In Detail Ruby is a powerful, general-purpose programming language that can be applied to any task. Whether you are an experienced developer who wants to learn a new language or you are new to programming, this book is your comprehensive Ruby coding guide. Starting with the foundational principles, such as syntax, and scaling up to advanced topics such as big data analysis, this book will give you all of the tools you need to be a professional Ruby developer. A few of the key topics are: object-oriented programming, built-in Ruby methods, core programming skills, and an introduction to the Ruby on Rails and Sinatra web frameworks. You will also build 10 practical Ruby programs. Created by an experienced Ruby developer, this book has been written to ensure it focuses on the skills you will need to be a professional Ruby developer. After you have read this book, you will be ready to start building real-world Ruby projects. Style and approach This is a comprehensive course for learning the Ruby programming language that works methodically through everything that you need to know. It begins with the basics of the language and then works through some complete projects to apply your skills and ensure that you have fully absorbed them and can use them in the real world.

### **Component-Based Rails Applications**

Stephan Hagemann 2018-06-22 Use Components to Improve Maintainability, Reduce Complexity, and Accelerate Testing in Large Rails Applications "This book gives Ruby pros a

comprehensive guide for increasing the sophistication of their designs, without having to forsake the principles of elegance that keep them in our corner of the software world.”

—Obie Fernandez, author, *The Rails™ 5 Way*, Fourth Edition As Rails applications grow, even experienced developers find it difficult to navigate code bases, implement new features, and keep tests fast. Components are the solution, and *Component-Based Rails Applications* shows how to make the most of them. Writing for programmers and software team leads who are comfortable with Ruby and Rails, Stephan Hagemann introduces a practical, start-to-finish methodology for modernizing and restructuring existing Rails applications. One step at a time, Hagemann demonstrates how to revamp Rails applications to exhibit visible, provably independent, and explicitly connected parts—thereby simplifying them and making them far easier for teams to manage, change, and test. Throughout, he introduces design concepts and techniques you can use to improve applications of many kinds, even if they weren’t built with Rails or Ruby. Learn how components clarify intent, improve collaboration, and simplify innovation and maintenance Create a full Rails application within a component, from first steps to migrations and dependency management Test component-based applications, manage assets and dependencies, and deploy your application to production Identify the seams in an existing Rails application, and refactor it to extract components Master a scripted, repeatable approach for refactoring Rails applications of any size Use component-based Rails with two popular structural patterns: hexagonal and DCI architecture Leverage your new component skills with other frameworks and languages Overcome the unique challenges that arise as you componentize Rails applications If you’re ready to simplify and revitalize your complex

Rails systems, you’re ready for *Component-Based Rails Applications*. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

*Rails 5 Test Prescriptions* Noel Rappin  
2018-02-16 Does your Rails code suffer from bloat, brittleness, or inaccuracy? Cure these problems with the regular application of test-driven development. You'll use Rails 5.1, Minitest 5, and RSpec 3.6, as well as popular testing libraries such as *factory\_girl* and *Cucumber*. Updates include Rails 5.1 system tests and *Webpack* integration. Do what the doctor ordered to make your applications feel all better. Side effects may include better code, fewer bugs, and happier developers. Your Ruby on Rails application is sick. Deadlines are looming, but every time you make the slightest change to the code, something else breaks. Nobody remembers what that tricky piece of code was supposed to do, and nobody can tell what it actually does. Plus, it has bugs. You need test-driven development: a process for improving the design, maintainability, and long-term viability of software. With both practical code examples and discussion of why testing works, this book starts with the most basic features delivered as part of core Ruby on Rails. Once you've integrated those features into your coding practice, work with popular third-party testing tools such as *RSpec*, *Jasmine*, *Cucumber*, and *factory\_girl*. Test the component parts of a Rails application, including the back-end model logic and the front-end display logic. With Rails examples, use testing to enable your code to respond better to future change. Plus, see how to handle real-world testing situations. This new edition has been updated to Rails 5.1 and *RSpec* 3.6 and contains full coverage of new Rails features, including system tests and the *Webpack*-based JavaScript setup. What You Need: Ruby 2.4, Rails 5.1