

## The Rspec Book David Chelimsky

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[Refactoring in Ruby](#) Lulu.com

Provides information on testing procedures and tools for Rails 2 and Rails 3.

[Agile Project Management with Kanban](#) Springer Nature

The one-stop guide for everyone getting started with eXtreme Programming! Making XP principles work in the real world Best practices for the entire project lifecycle: conceptualization through delivery Understand the role of every participant: developer, manager, and customer Specific solutions to the most common XP transitioning problems Practically overnight, Extreme Programming (XP) has become one of the world's leading agile methodologies. Now, there's an easy, concise introduction that delivers all the guidance and best practices you need to make XP work in your organization! A Practical Guide to eXtreme Programming doesn't just introduce key XP principles such as simplicity, communication, and feedback: it shows how to make them work in the real world. Using a start-to-finish case study, this book covers the entire project lifecycle, every key task, and the role of every XP participant--developers, managers, and customers. Coverage includes: Envisioning your proposed software system Writing effective user stories and acceptance tests Planning for regular releases and iterations "Coding with intention" Best practices for integration, refactoring, testing, and delivery Overcoming the challenges of transitioning to XP Want all the benefits XP can provide? Want to implement XP as smoothly and painlessly as possible? This is the place to start!

[How to Engineer Software](#) John Wiley & Sons

Learn proven, real-world techniques for specifying software requirements with this practical reference. It details 30 requirement "patterns" offering realistic examples for situation-specific guidance for building effective software requirements. Each pattern explains what a requirement needs to convey, offers potential questions to ask, points out potential pitfalls, suggests extra requirements, and other advice. This book also provides guidance on how to write other kinds of information that belong in a requirements specification, such as assumptions, a glossary, and document history and references, and how to structure a requirements specification. A disturbing proportion of computer systems are judged to be inadequate; many are not even delivered; more are late or over budget. Studies consistently show one of the single biggest causes is poorly defined requirements: not properly defining what a system is for and what it's supposed to do. Even a modest contribution to improving requirements offers the prospect of saving businesses part of a large sum of wasted investment. This guide emphasizes this important requirement need—determining what a software system needs to do before spending time on development. Expertly written, this book details solutions that have worked in the past, with guidance for modifying patterns to fit individual needs—giving developers the valuable advice they need for building effective software requirements

[The Ghidra Book](#) Simon and Schuster

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

[RSpec Essentials](#) Addison-Wesley Professional

This guide for programmers teaches how to practice Test Driven Development (TDD), also called Test First Development. Contrary to the accepted approach to testing, when you practice TDD you write tests for code before you write the code being tested. This text provides examples in Java.

[Ruby on Rails Tutorial](#) Pragmatic Bookshelf

Summary Scala in Action is a comprehensive tutorial that introduces Scala through clear explanations and numerous hands-on examples. Because Scala is a rich and deep language, it can be daunting to absorb all the new concepts at once. This book takes a "how-to" approach, explaining language concepts as you explore familiar programming challenges that you face in your day-to-day work. About the Technology Scala runs on the JVM and combines object-orientation with functional programming. It's designed to produce succinct, type-safe code, which is crucial for enterprise applications. Scala implements Actor-based concurrency through the amazing Akka framework, so you can avoid Java's messy threading while interacting seamlessly with Java. About this Book Scala in Action is a comprehensive tutorial that introduces the language through clear explanations and numerous hands-on examples. It takes a "how to" approach, explaining language concepts as you explore familiar programming tasks. You'll tackle concurrent programming in Akka, learn to work with Scala and Spring, and learn how to build DSLs and other productivity tools. You'll learn both the language and how to use it. Experience with Java is helpful but not required. Ruby and Python programmers will also find this book accessible. What's Inside A Scala tutorial How to use Java and Scala open source libraries How to use SBT Test-driven development Debugging Updated for Scala 2.10 Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Author Nilanjan Raychaudhuri is a skilled developer, speaker, and an avid polyglot programmer who works with Scala on production systems. Table of Contents PART 1 SCALA: THE BASICS Why Scala? Getting started OOP in Scala Having fun with functional data structures Functional programming PART 2 WORKING WITH SCALA Building web applications in functional style Connecting to a database Building scalable and extensible components Concurrency

programming in Scala Building confidence with testing PART 3 ADVANCED STEPS

Interoperability between Scala and Java Scalable and distributed applications using Akka Runtime Verification Pearson Education

Within the framework of Acceptance Test-Driven-Development (ATDD), customers, developers, and testers collaborate to create acceptance tests that thoroughly describe how software should work from the customer's viewpoint. By tightening the links between customers and agile teams, ATDD can significantly improve both software quality and developer productivity. This is the first start-to-finish, real-world guide to ATDD for every agile project participant. Leading agile consultant Ken Pugh begins with a dialogue among a customer, developer, and tester, explaining the "what, why, where, when, and how" of ATDD and illuminating the experience of participating in it. Next, Pugh presents a practical, complete reference to each facet of ATDD, from creating simple tests to evaluating their results. He concludes with five diverse case studies, each identifying a realistic set of problems and challenges with proven solutions. Coverage includes • How to develop software with fully testable requirements • How to simplify and componentize tests and use them to identify missing logic • How to test user interfaces, service implementations, and other tricky elements of a software system • How to identify requirements that are best handled outside software • How to present test results, evaluate them, and use them to assess a project's overall progress • How to build acceptance tests that are mutually beneficial for development organizations and customers • How to scale ATDD to large projects

[Executable Specifications with Scrum](#) Pragmatic Bookshelf

Most books about specifications still assume that requirements can be known up front and won't change much during your project. In today's "real world," however, you must specify and build software in the face of high and continuing uncertainty. Scrum and other agile methods have evolved to reflect this reality. Now, there's a complete guide to specifying software in agile environments when prerequisites are unclear, requirements are difficult to grasp, and anything about your project could change. Long-time agile coach and enterprise architect Mario Cardinal shows how to create executable specifications and use them to test software behavior against requirements. Cardinal shows how to trawl requirements incrementally, step-by-step, using a vision-centric and emergent iterative practice that is designed for agility. Writing for analysts, architects, developers, and managers, Cardinal makes a strong case for the iterative discovery of requirements. Then, he moves from theory to practice, fully explaining the technical mechanisms and empirical techniques you need to gain full value from executable specifications. You'll learn to connect specifications with software under construction, link requirements to architecture, and automate requirements verification within the Scrum framework. Above all, Cardinal will help you solve the paramount challenge of software development: not only to solve the problem right, but also to solve the right problem. You will learn how to • Establish more effective agile roles for analysts and architects • Integrate and simplify the best techniques from FIT, ATDD, and BDD • Identify "core certainties" on which your project team should rely to ensure requirements discovery • Manage uncertainty by discovering stakeholder desires through short feedback loops • Specify as you go while writing small chunks of requirements • Use storyboarding and paper prototyping to improve conversations with stakeholders • Express stakeholder desires that are requirements with user stories • Refine your user stories, and plan more effective Scrum sprints • Confirm user stories by scripting behaviors with scenarios • Transform scenarios into automated tests that easily confirm your software's expected behavior as designs emerge and specifications evolve • Ensure higher-quality software by specifying nonfunctional requirements

[Rails 5 Test Prescriptions](#) Facets of Ruby

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.

[Programming Concurrency on the JVM](#) O'Reilly Media, Inc.

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

[Metaprogramming Ruby 2](#) Pearson Education

Use Kanban to maximize efficiency, predictability, quality, and value With Kanban,

every minute you spend on a software project can add value for customers. One book can help you achieve this goal: Agile Project Management with Kanban. Author Eric Brechner pioneered Kanban within the Xbox engineering team at Microsoft. Now he shows you exactly how to make it work for your team. Think of this book as "Kanban in a box": open it, read the quickstart guide, and you're up and running fast. As you gain experience, Brechner reveals powerful techniques for right-sizing teams, estimating, meeting deadlines, deploying components and services, transitioning from Scrum or traditional Waterfall, and more. For every step of your journey, you'll find pragmatic advice, useful checklists, and actionable lessons. This truly is "Kanban in a box": all you need to deliver breakthrough value and quality. Use Kanban techniques to: Start delivering continuous value with your current team and project Master five quick steps for completing work backlogs Plan and staff new projects more effectively Minimize work in progress and quickly adjust to change Eliminate artificial meetings and prolonged stabilization Improve and enhance customer engagement Visualize workflow and fix revealed bottlenecks Drive quality upstream Integrate Kanban into large projects Optimize sustained engineering (contributed by James Waletzky) Expand Kanban beyond software development

Ruby on Rails Tutorial Prentice Hall

The First Hands-On, Practical, All-Ruby Refactoring Workbook! Refactoring—the art of improving the design of existing code—has taken the world by storm. So has Ruby. Now, for the first time, there's a refactoring workbook designed from the ground up for the dynamic Ruby language. Refactoring in Ruby gives you all the realistic, hands-on practice you need to refactor Ruby code quickly and effectively. You'll discover how to recognize "code smells," which signal opportunities for improvement, and then perfect your program's design one small, safe step at a time. The book shows you when and how to refactor with both legacy code and during new test-driven development, and walks you through real-world refactoring in detail. The workbook concludes with several applications designed to help practice refactoring in realistic domains, plus a handy code review checklist you'll refer to again and again. Along the way, you'll learn powerful lessons about designing higher quality Ruby software—lessons that will enable you to experience the joy of writing consistently great code. Refactoring in Ruby will help you Recognize why poor code design occurs, so you can prevent it from occurring in your own code Master better design techniques that lead to more efficient, reliable, and maintainable software Fix code that's too long, large, or difficult to follow Ferret out duplication, and express each idea "once and only once" Recognize missing or inadequately formed classes Simplify overly complex relationships between classes and their subclasses Achieve the right balance of responsibilities among objects Make your code easier to test and change Cope with incomplete library modules, and fix runaway dependencies Learn the next steps to take after you refactor

Advanced Rails Recipes Packt Publishing Ltd

Take advantage of Chef's highly customizable design to tackle specific automation issues that you can't solve by simply using Chef's tools, resources, and services out of the box. With this practical guide, you'll examine the internal structure of this configuration management technology and learn where, how, and why to add custom code. Author Jon Cowie not only provides code snippets and practical advice for customizing Chef, but also helps you determine case by case whether it's in your best interests to customize at all. If you have intermediate-to-advanced Chef experience, this book is indispensable. Explore Chef's typical setups and why you'd want to customize them Learn the Ruby concepts needed to write customizations Customize the Chef run process and explore Chef's internal classes Gain more insight into your Chef runs through handlers and Chef's event stream Level up your Chef recipes by writing your own resources and providers Create and extend plugins for Knife—Chef's command-line tool Interact with the Chef API to write scripts and reports Learn how to contribute customizations to the Chef community

Effective Testing with RSpec 3 No Starch Press

Teams working on the JVM can now say goodbye forever to misunderstood requirements, tedious manual acceptance tests, and out-of-date documentation. Cucumber - the popular, open-source tool that helps teams communicate more effectively with their customers - now has a Java version, and our bestselling Cucumber Book has been updated to match. The Cucumber for Java Book has the same great advice about how to deliver rock-solid applications collaboratively, but with all code completely rewritten in Java. New chapters cover features unique to the Java version of Cucumber, and reflect insights from the Cucumber team since the original book was published. Until now it's been difficult for teams developing Java applications to learn how to benefit from Behaviour-Driven Development (BDD). This book changes all that by describing in detail how to use Cucumber to harness the power of plain language specifications in your development process. In part 1, you'll discover how to use Cucumber's Gherkin DSL to describe the behavior your customers want from the system. You'll also learn how to write Java code that interprets those plain language specifications and checks them against your application. Part 2 guides you through a worked example, using Spring, MySQL, and Jetty. Enhanced chapters teach you how to use Selenium to drive your application and handle asynchronous Ajax calls, and new chapters cover Dependency Injection (DI) and advanced techniques to help keep your test suites fast. Part 3 shows you how to integrate Cucumber with your Continuous Integration (CI) system, work with a REST web service, and even use BDD with legacy applications. Written by the creator of Cucumber and two of its most experienced users and contributors, The Cucumber for Java Book is an authoritative guide that will give you and your team all the knowledge you need to start using Cucumber with confidence.

The RSpec Book Addison-Wesley Professional

This handbook is a collection of concrete ideas for how you can get started with a Coding Dojo, where a group of programmers can focus on improving their practical coding skills.

The RSpec Book Pearson Education

Your customers want rock-solid, bug-free software that does exactly what they expect it to do. Yet they can't always articulate their ideas clearly enough for you to turn them into code. You need Cucumber: a testing, communication, and requirements tool—all rolled into one. All the code in this book is updated for Cucumber 2.4, Rails 5, and RSpec 3.5. Express your customers' wild ideas as a set of clear, executable specifications that everyone on the team can read. Feed those examples into Cucumber and let it guide your development. Build just the right code to keep your customers happy. You can use Cucumber to test almost any system or any platform. Get started by using the core features of Cucumber and working with Cucumber's Gherkin DSL to describe-in plain language-the behavior your customers want from the system. Then write Ruby code that interprets those plain-language specifications and checks them against your application. Next, consolidate the knowledge you've gained with a worked example, where you'll learn more advanced Cucumber techniques, test asynchronous systems, and test systems that use a database. Recipes highlight some of the most difficult and commonly seen situations the authors have helped teams solve. With these patterns and techniques, test Ajax-heavy web applications with Capybara and Selenium, REST web services, Ruby on Rails applications, command-line applications, legacy applications, and more. Written by the creator of Cucumber and the co-founders of Cucumber Ltd., this

authoritative guide will give you and your team all the knowledge you need to start using Cucumber with confidence. What You Need: Windows, Mac OS X (with XCode) or Linux, Ruby 1.9.2 and upwards, Cucumber 2.4, Rails 5, and RSpec 3.5

Software Requirement Patterns Pragmatic Bookshelf

Saber testar adequadamente as aplica ç õ es Ruby e Rails é um pr é -requisito no mercado atual e, para isso, precisamos conhecer bem as ferramentas que podem nos ajudar nessas tarefas. O RSpec é a biblioteca mais usada para criar testes e especifica ç õ es para as aplica ç õ es Ruby; mas, junto dele, é preciso usar v á rias outras que tamb é m t ê m um papel fundamental. Neste livro, Mauro George ensinar á a escrever especifica ç õ es com o RSpec e tamb é m a integr á -lo com bibliotecas como Factory Girl, WebMock, VCR e muito mais.

Eloquent Ruby Addison-Wesley Professional

More and more Agile projects are seeking architectural roots as they struggle with complexity and scale - and they're seeking lightweight ways to do it Still seeking? In this book the authors help you to find your own path Taking cues from Lean development, they can help steer your project toward practices with longstanding track records Up-front architecture? Sure. You can deliver an architecture as code that compiles and that concretely guides development without bogging it down in a mass of documents and guesses about the "implementation Documentation? Even a whiteboard diagram, or a CRC card, is documentation: the goal isn't to avoid documentation, but to document just the right things in just the right amount Process? This all works within the frameworks of Scrum, XP, and other Agile approaches

The Rails Way Editora Casa do C ó digo

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 number of new exercises interspersed in each chapter for reinforcement of the material. This guide provides integrated tutorials not only for Rails, but also for the 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. --From publisher description.

The Cucumber Book 翔泳社

Trademark symbol appears after "rails" in title.