Practical Ruby Projects: Ideas For The Eclectic Programmer

Practical Ruby Projects-Christopher Cyll 2008-03-11 Revitalized by Ruby on Rails, the Ruby language continues to grow in popularity. Books like this are necessary to fill the demand. Here is a classic of its kind; required reading for Ruby programmers who have already mastered the basics and want to learn higher level techniques. Practical Ruby Projects presents nine diverse projects that will teach new and innovative techniques in a learn-by-example fashion. They include a turn-based adventure game and a generative music creator. While there are many other Ruby titles, none of them take this unique project-based approach to teaching.

Practical Ruby Projects: Ideas For The Eclectic Programmer-Cyll 2008-07-01

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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 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.

Practical Ruby Gems-David Berube 2007-09-09 This book is a comprehensive guide to utilizing and creating Ruby Gems. Coverage provides an enormous code library that will help developers improve their projects. It details 34 of the best and most useful Gems, including ones to speed up web applications, process credit card payments, produce PDF documents, read and update RSS feeds, and acquire real-time shipping prices from FedEx and UPS. Each of these also comes complete with actual use cases and code examples that readers can immediately use in their own projects. In addition, the book describes how readers can package and distribute their own Ruby Gems.

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.

Practical JRuby on Rails Web 2.0 Projects-Ola Bini 2007-12-01 In this book, JRuby core developer Ola Bini covers everything you need to know to take full advantage of what JRuby has to offer. It provides complete coverage on how to use JRuby to create web applications faster and more efficiently, while continuing to take advantage of the vast power of the Java platform. The book also provides several real-world projects that illustrate the crucial specifics you need to know about the interaction of Java and Ruby. In addition, it offers helpful, practical instruction and discussion on how web applications can be deployed using a variety of popular servers such as Apache and Mongrel.

Practical Ruby for System Administration-André Ben-Hamou 2007-10-15 Within the pages of Practical Ruby for System Administration, you’ll learn the Ruby way to construct files, tap into clouds of data, build domain-specific languages, perform network traffic analysis, and more. Coverage places equal emphasis on fundamental Ruby concepts as well as practical how-tos. Based on author André Ben Hamou's own experiences working as a system administrator, this book will help you pick up practical tips on Ruby coding style, learn how to analyze and improve script performance, and make use of no-nonsense advice on scripting workflow, including testing, documentation, and version control.
Practical Reporting with Ruby and Rails—David Berube 2008-03-30 Business intelligence and real-time reporting mechanisms play a major role in any today’s forward-looking business plans. With many of these solutions being moved to the Web, the popular Rails framework and its underlying Ruby language are playing a major role alongside web services in building the reporting solutions of tomorrow. This book offers a comprehensive introduction to this popular framework. It shows you how the Ruby language and Rails framework can create truly compelling reporting services by plugging into popular third-party applications and services such as Google AdWords, UPS.com, iTunes, and Salesforce.com.

Practical Rails Plugins—Nick Plante 2008-08-01 The Rails framework empowers developers with unprecedented levels of productivity by embracing principles such as "convention over configuration" and "don’t repeat yourself". This paradigm is even apparent at the community level, where developers regularly share their custom framework extensions by way of Rails’ plugins feature. Plugins offer a way for developers to extend the core Rails framework with their own custom features, and PDF generation, allowing you to range from simple to advanced features such as authentication, user ratings, and search. Practical Rails Plugins shows you how to capitalize upon the wide variety of plugins at your disposal by guiding you through their integration into a number of interesting projects. You’ll learn how to rapidly augment projects involving asynchronous video transcoding, geocoding and mapping, content management, community ratings, and PDF generation. You’ll also learn how to create and distribute your own plugins. The ultimate guide to building powerful web sites faster using Rails plugins Demonstrates how to use popular plugins within a number of practical (and fully functional) projects and mini-applications Shows you how to create and distribute your own plugins.

Practical Rails Projects—Eldon Alameda 2007-12-27 This book provides intermediate Rails users with an essential learning aid to take them to higher level, teaching them countless real world techniques via a series of practical project-based chapters. Each chapter takes the reader through the complete process of building up a full-functional Rails web application. Projects taught in the book include a blog, a REST-based task manager, an online IT help desk, a web comic (including image upload facilities,) Wiki, and much more. Techniques learned include speeding up public applications with plugins, engines and Ruby Gems, styling with CSS libraries and frameworks, testing your work using RSpec and Webmock.

Practical Object-Oriented Design in Ruby—Sandi Metz 2012-09-05 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, poordr.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 apply inheritance Build objects via composition Design cost-effective tests Solve common problems associated with poorly designed Ruby code.

Ruby Best Practices—Gregory Brown 2009-06-18 Provides information on designing APIs and domain-specific language, writing readable code, and working with functional programming ideas with the Ruby programming language.

Practical Rails Social Networking Sites—Alan Bradburne 2007-10-17 Practical Ruby on Rails Social Networking Sites shows you the complete development cycle of a social networking community web site. You will learn how to make the best use of the Ruby on Rails framework within a large project and how to implement and adapt features specific to a community. The book offers practical advice and tips for developing and testing, along with guidance on how to take your site live, as well as optimize and maintain it. It also explores how to integrate with other community sites and how to make good use of Rails’ Ajax features. You will also learn how to optimize and adapt your site to work well on mobile browsers.

Explorations in Computing—John S. Conery 2011-06-27 Based on the author’s introductory course at the University of Oregon, Explorations in Computing: An Introduction to Computer Science focuses on the fundamental idea of computation and offers insight into how computation is used to solve a variety of interesting and important real-world problems. Taking an active learning approach, the text encourages students to explore computing ideas by running programs and testing them on different inputs. It also features illustrations by Phil Foglio, winner of the 2009 and 2010 Hugo Award for Best Graphic Novel. Classroom-Tested Material The first four chapters introduce key concepts, such as algorithms and scalability, and hone practical lab skills for creating and using objects. In the remaining chapters, the author covers “divide and conquer” as a problem solving strategy, the role of data structures, issues related to encoding data, computer architecture, random numbers, challenges for natural language processing, computer simulation, and genetic algorithms. Through a series of interactive projects in each chapter, students can experiment with one or more algorithms that illustrate the main topic. Requiring no prior experience with programming, these projects show students how algorithms provide computational solutions to real-world problems. Web Resource The book’s website at www.cs.uoregon.edu/eic presents numerous ancillaries. The lab manual offers step-by-step instructions for installing Ruby and the RubyLabs gem with Windows XP, MacOS X, and Linux. The manual includes tips for editing programs and running commands in a terminal emulator. The site also provides online documentation of all the modules in the RubyLabs gem. Once the gem is installed, the documentation can be read locally by a web browser. After working through the in-depth examples in this textbook, students will gain a better overall understanding of what computer science is about and how computer scientists think about problems.

Ruby in Practice—Jeremy McAnally 2009 A guide to Ruby programming covers such topics as scripting, Web services, asynchronous messaging, structured documents, and searching and indexing.

Practical Aspects of Declarative Languages—Manuel Carro 2010-01-07 This book constitutes the refereed proceedings of the 12th International Symposium on Practical Aspects of Declarative Languages, PADL 2010, held in Madrid, Spain, in January 2010, colocated with POPL 2010, the Symposium on Principles of Programming Languages. The 22 revised full papers presented together with 2 invited talks were carefully reviewed and selected from 59 submissions. The volume features original work emphasizing novel applications and implementation techniques for all forms of declarative concepts, including functions, relations, logic, and constraints. The papers address all current aspects of declarative programming; they are organized in topical sections on non-monotonic reasoning - answer set programming, types, parallelism and distribution, code quality assurance, domain specific languages, programming aids, constraints, and tabling - agents.

51 High-Tech Practical Jokes for the Evil Genius—Brad Graham 2007-10-10 ENGAGE YOUR WARPED SENSE OF HUMOR WITH HUNDREDS OF PRACTICAL GAG DEVICES YOU BUILD YOURSELF! Give your friends and family the shock of their lives! 51 High-Tech Practical Jokes for the Evil Genius has everything you need to pull devastatingly funny (and safe!) technical pranks. From the “evasive beeping thing” to “rats in the walls” to the “rigged lie detector,” you’ll find a plethora of pranks that will feed your inner hacker while you create a state of utter confusion around you! Using easy-to-find parts and tools that all Evil Geniuses can get their hands on, these well-played yet harmless pranks will confound your unsuspecting targets every time. Plus, every gadget can be mixed and matched, allowing you to create hundreds of larger, even more twisted evil prank devices! 51 High-Tech Practical Jokes for the Evil Genius gives you: Instructions and plans for 51 simple-to-advanced projects, complete with 200 how-to illustrations that let you build each device visually.
was a major evolutionary leap forward from previous versions. Unlike other Rails books, this book doesn’t throw you into the deep end right away in the hopes that you’ll learn to swim. Instead, we’ll start out with the basics and continually expand your knowledge until, by the end of the book, we’re building a Rails application with dynamic features such as user registration, geocoding, filtering results with AJAX, RSS feeds, and an XML interface. Meanwhile, we’ll talk about the important issues that other books often leave out such as testing your application’s code, securing your application from hackers, optimizing your code for the best performance, and of course, deploying your application. This book takes a focused approach to guiding you through understanding how the pieces of Rails work individually and how they fit together. Instead of emphasizing boring theoretical discussions, Foundation Rails 2 lets you get your hands dirty with the framework and learn the hows and whys of Rails faster than ever. We start with a tour of what makes Rails special and why you need to learn it, move into a gentle introduction to the high points of programming in Ruby, and then take a tour of a sample Rails application. Next, we dig deeper into the core components of Rails before building a complete Rails application together. By the end of this book, not only will you know how to build Rails applications but you'll understand the reasons behind what you do.

A PRACTICAL APPROACH TO USING LEARNING STYLES IN MATH INSTRUCTION-Ruby Bostick Midkiff 1994-01-01 Although much attention has been given to the use of learning styles in the general curriculum and in teaching students to read, the use of learning styles-based instruction in the mathematics classroom has received limited attention. Therefore, the purpose of this book is to address the improvement of mathematics instruction through the use of learning styles-based instruction. Its goals are to give the reader an understanding of learning styles-based instruction in mathematics, of effective use of manipulatives in teaching various concepts at all grade levels, of ways to develop spatial reasoning skills in students, of different activities which accommodate a variety of learning styles, and of authentic assessment in mathematics. The book presents the use of learning styles-based instruction as a powerful strategy which teachers can and should use with the result that teaching will be more effective, less remediation will be necessary, and the overall mathematics curriculum will be enhanced.

Numeric Computation and Statistical Data Analysis on the Java Platform-Sergei V. Chekanov 2016-03-23 Numerical computation, knowledge discovery and statistical data analysis integrated with powerful 2D and 3D graphics for visualization are the key topics of this book. The Python code examples powered by the Java platform can easily be transformed to other programming languages, such as Java, Groovy, Ruby and BeanShell. This book equips the reader with a computational platform which, unlike other statistical programs, is not limited by a single programming language. The author focuses on practical programming aspects and covers a broad range of topics, from basic introduction to the Python language on the Java platform (Jython), to descriptive statistics, symbolic calculations, neural networks, non-linear regression analysis and many other data-mining topics. He discusses how to find regularities in real-world data, how to classify data, and how to process data for knowledge discoveries. The code snippets are so short that they easily fit into single pages. Numeric Computation and Statistical Data Analysis on the Java Platform is a great choice for those who want to learn how statistical data analysis can be done using popular programming languages, who want to integrate data analysis algorithms in full-scale applications, and deploy such calculations on the web pages or computational servers regardless of their operating system. It is an excellent reference for scientific computations to solve real-world problems using a comprehensive stack of open-source Java libraries included in the DataMelt (DMelt) project and will be appreciated by many data-analysis scientists, engineers and students.

Resources in Education- 1998
Yearbook-Future Teachers of America (Organization) 1950 Contains list of members.
JavaScript- 2008
Women's World- 1986
Physics and Nuclear Arms Today-David Hafemeister 1991-02-11 Physics and Nuclear Arms Today is a collection of the best articles written about the arms race which appeared in Physics Today between 1976 and 1989. The articles explore a wide variety of topical issues such as the effects of nuclear weapons, nuclear testing, offensive strategic weapons, defensive SDI or Star Wars weapons, nuclear nonproliferation and the social responsibility of scientists as well as a wide selection of articles which chronicle the history of nuclear weaponry. The authors also represent a broad spectrum of well known names in the physics community including Andrei Sakharov, Sidney Drell, Wolfgang Panofsky, Edward Teller, Frank von Hippel, Victor Weisskopf, and Freeman Dyson. Of interest to physicists interested in arms control issues, nuclear weapons, and international relations; science and defense policy makers.
Programming Beyond Practises-Gregory T Brown 2016-10-06 Writing code is the easy part of your work as a software developer. This practical book lets you explore the other 90%—everything from requirements discovery and rapid prototyping to business analysis and designing for maintainability. Instead of providing neatly packaged advice from on high, author Gregory Brown presents detailed examples of the many problems developers encounter, including the thought process it takes to solve them. He does this in an unusual and entertaining fashion by making you the main character in a series of chapter-length stories. As these stories progress, the examples become more complex, and your responsibilities increase. Together, these stories take you on a journey that will make you question and refine the way you think about, and work on, software projects. Steps in this unique journey include: Using prototypes to explore project ideas Spotting hidden dependencies in incremental changes Identifying the pain points of service integrations Developing a rigorous approach towards problem-solving Designing software from the bottom up Data modeling in an imperfect world Gradual process improvement as an antidote for over-commitment The future of software development Yearbook-Future Teachers of America 1950
Dr. Dobb's Journal- 2006

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