RAILSGUIDES

Ruby on Rails Guides (v5.0.2)

These are the new guides for Rails 5.0 based on v5.0.2. These guides are designed to make you immediately productive with Rails, and to help you understand how all of the pieces fit together.

The guides for earlier releases: Rails 4.2, Rails 4.1, Rails 4.0, Rails 3.2, and Rails 2.3.

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Start Here

Getting Started with Rails

Everything you need to know to install Rails and create your first application.

Models

Active Record Basics

This guide will get you started with models, persistence to database, and the Active Record pattern and library.

Active Record Migrations

This guide covers how you can use Active Record migrations to alter your database in a structured and organized manner.

Active Record Validations

This guide covers how you can use Active Record validations.

Active Record Callbacks

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Miles Matthias

Ruby And On Rails Guides:

Ruby on Rails for Agile Web Development: A Hands-on Guide to Building Dynamic and Efficient Web Applications Sajjad Umar,2024-08-27 Master the Art of Agile Development with Ruby on Rails Key Features Master Ruby on Rails with practical guidance on Scrum and Kanban Build high performance efficient web applications with best practices Advance your web development skills and unlock new career opportunities Test your knowledge with chapter end quizzes to reinforce learning Book Description Discover the power of Ruby on Rails web development framework through the pages of Ruby on Rails for Agile Web Development This book combines the robustness of Rails with the agility of development methodologies like Scrum and Kanban to help you efficiently build high performing web applications Starting with an overview of Ruby and Rails architecture you will quickly grasp the fundamentals of agile development You will explore methodologies such as Scrum and Kanban while gaining hands on experience in key areas like CRUD operations database management styling authentication testing RESTful APIs deployment and more Each chapter concludes with a short quiz to reinforce your understanding and test your progress ensuring you effectively grasp the concepts By the end of the book you will emerge as a competent Ruby on Rails developer with a deep understanding of agile web development principles With real world examples and practical exercises this book empowers you to tackle real time challenges and build robust web applications You will confidently implement features like social media integration email functionality payment gateways and file uploads This book sets you on a path to success in the rapidly evolving field of web development Prepare to excel innovate and create outstanding web applications using the power of Ruby on Rails What you will learn Master the Ruby language and Rails architecture to develop web applications efficiently and reduce code complexity Gain practical knowledge of Scrum and Kanban to contribute effectively to development teams and projects Learn CRUD operations database management styling authentication and testing Develop RESTful APIs and web services to enable communication between your Rails applications and other systems Build real time applications including social media apps email functionality payment gateways and file uploads to enhance your practical skills and confidence Apply test driven development TDD practices to ensure your applications are reliable and maintainable Explore advanced Rails topics including background jobs caching internationalization and security to further enhance your development skills Table of Contents 1 Introduction 2 Agile Development Fundamentals 3 Getting Started with Ruby on Rails 4 CRUD Operations and Database Management 5 Basics of Styling and Front End Development 6 Authentication and Authorization 7 Testing and Test Driven Development 8 RESTful APIs and Web Services 9 Deployment and Scaling 10 Building A Real World Rails Application 11 Advanced Topics in Ruby on Rails 12 Conclusion Index **Ruby on Rails for Microsoft Developers** Antonio Cangiano,2009-04-27 This definitive guide examines how to take advantage of the new Agile methodologies offered when using Ruby on Rails RoR You ll quickly grasp the RoR methodology by focusing on the RoR development from the point of view of the beginner to intermediate level

Microsoft developer Plus you ll get a reliable roadmap for migrating your applications skill set and development processes to the newer more agile programming platform that RoR offers   Beginning Ruby Peter Cooper,2017-01-11 Based on the bestselling first edition Beginning Ruby From Novice to Professional Second Edition is the leading guide for every type of reader who wants to learn Ruby from the ground up The new edition of this book provides the same excellent introduction to Ruby as the first edition plus updates for the newest version of Ruby including the addition of the Sinatra and Ramaze web application frameworks and a chapter on GUI development so developers can take advantage of these new trends Beginning Ruby starts by explaining the principles behind object oriented programming and within a few chapters builds toward creating a full Ruby application By the end of the book in addition to in depth knowledge of Ruby you ll also have basic understanding of many ancillary technologies such as SQL XML web frameworks and networking Introduces readers to the Ruby programming language Takes readers from basic programming skills to web development with topics like Ruby based frameworks and GUI programming Covers many ancillary technologies in order to provide a broader picture e g databases XML network daemons   **Ruby on Rails for Beginner** , for Beginner only and 1 Workshop in this book   **The Ruby on Rails 3 Tutorial and Reference Collection** Michael Hartl,Obie Fernandez,2011-12-05 The Ruby on Rails 3 Tutorial and Reference Collection consists of two bestselling Rails eBooks Ruby on Rails 3 Tutorial Learn Rails by Example by Michael HartlThe Rails 3 Way by Obie Fernandez In Ruby on Rails 3 Tutorial leading Rails developer Michael Hartl teaches Rails 3 by guiding you through the development of your own complete sample application using the latest techniques in Rails Web development Drawing on his experience building RailsSpace Insoshi and other sophisticated Rails applications Hartl illuminates all facets of design and implementation including powerful new techniques that simplify and accelerate development Hartl explains how each new technique solves a real world problem and demonstrates this with bite sized code that s simple enough to understand yet novel enough to be useful 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 You learn advanced Rails programming techniques that have been proven effective in day to day usage on dozens of production Rails systems 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 collection helps youInstall and set up your Rails development environmentGo beyond generated code to truly understand how to build Rails applications from scratchLearn Test Driven Development TDD with RSpecEffectively use the Model View Controller MVC pattern Structure applications using the REST architectureBuild static pages and transform them into dynamic onesMaster the Ruby programming skills all Rails developers needDefine high quality site layouts and data modelsImplement registration and authentication systems including validation and secure passwordsUpdate display and delete users Add social features and microblogging including an

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business the way it used to be 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 8 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 We look in depth 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 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 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 **Agile Web Development with Rails 7** Sam Ruby,Dave Thomas,2023-05-03 Rails 7 completely redefines what it means to produce fantastic user experiences and provides a way to achieve all the benefits of single page applications at a fraction of the complexity Rails 7 integrates the Hotwire frameworks of Stimulus and Turbo directly as the new defaults together with that hot newness of import maps The result is a toolkit so powerful that it allows a single individual to create modern applications upon which they can build a competitive business The way it used to be 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 7 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 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 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 *Agile Web Development with Rails 7.2* Sam Ruby,Dave Thomas,2025-05-06 Rails 7 2 completely redefined what it

means to produce fantastic user experiences and provides a way to achieve all the benefits of single page applications a fraction of the complexity Rails 7 2 integrated the Hotwire frameworks of Stimulus and Turbo directly as the new defaults together with that hot newness of import maps The result is a toolkit so powerful that it allows a single individual to create modern applications upon which they can build a competitive business The way it used to be 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 7 2 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 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 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 *IOS Components and Frameworks* Kyle Richter,Joe Keeley,2014 Take Your Next Leap Forward as an iOS App Developer Covers iOS 7 and Xcode 5 iOS Components and Frameworks will help you leverage iOS s powerful components and frameworks to build apps with outstanding performance reliability interactivity media support and customization Pioneering iOS developers Kyle Richter and Joe Keeley illuminate the sophisticated intermediate to advancedlevel techniques you re now ready for You ll find example rich coverage of topics ranging from social support to security Core Data TextKit iCloud support UIKit Dynamics MapKit and Passbook There s also a complete section on advanced performance and security including the effective use of Grand Central Dispatch and Keychain Each chapter contains a complete sample project that walks you through integrating its technology into a typical iOS app You ll discover how multiple iOS features can be combined into exceptionally powerful apps and walk through a complete case study project a fully functional game with complete Game Center integration Coverage includes New physics based animation effects provided by UIKit Dynamics Making the most of Core Location MapKit and Geofencing Leveraging Game Center features such as Leader Boards and Achievements Giving users access to their address and media libraries from within your app Using lightweight JSON to move data among servers apps and websites Syncing apps via iCloud using UIDocument and key value store syncing Securing user data with Keychain Informing users of important app related events via Notifications Storing and retrieving persistent data locally with Core

Data Using advanced Objective C features to write more manageable concise apps Improving responsiveness through concurrency with Grand Central Dispatch Advanced text handling and display with TextKit Smoothly handling complex and continuous gestures Effective debugging techniques with Xcode 5 and Instruments Building passes for Passbook and PassKit If you re a serious iOS developer who wants to build cutting edge apps iOS Components and Frameworks delivers the practical skills reusable code and expert insights you re looking for **Beginning Rails 4** Adam Gamble,Cloves Carneiro Jr,Rida Al Barazi,2014-01-20 Beginning Rails 4 is a book that will guide you from never having programmed with Ruby to having a Rails application built and deployed to the web You ll learn how to combine all the components of Rails to develop your own web applications You will use test driven development to make sure your application works exactly like you expect You will learn how to use Git for source control and best practice techniques to create applications like a pro Essential and often missed information on testing and learning to program with Ruby are also covered This book is well suited for someone with little to no Ruby or Rails experience or possibly even someone with no experience developing web applications at all Beginning Rails 4 does assume a basic familiarity with the web and typical web terms but doesn t require you to be an expert of these This book will springboard your journey into web application development and show you how much fun building web applications with Ruby on Rails can be Learn to create Rails applications from the bottom up Learn the basics of the Ruby programming language Completely updated for Rails 4 including new information on turbo links etc Beginning Rails 4 gently guides you through designing your application writing tests for the application and then writing the code to make your application work as expected *Ruby on Rails 2.3 Tutorial* Michael Hartl,2010-11-01 The Ruby on Rails 2 3 Tutorial teaches web development with Ruby on Rails an open source web framework that powers many of the web s top sites including Twitter Hulu and the Yellow Pages Ruby on Rails 2 3 Tutorial helps you learn Rails by example through the development of a substantial sample application including a site layout a user data model a full registration and authentication system user status associations social following and a feed of status updates Ruby on Rails 2 3 Tutorial also teaches good software development practices including version control with Git and GitHub test driven development with RSpec and instant deployment with Heroku Though of necessity the book focuses on a specific sample application the emphasis throughout this book is on general principles so you will have a solid foundation no matter what kind of web application you want to build **Digital Information Processing and Communications** Václav Snásel,Jan Platos,Eyas El-Qawasmeh,2011-06-30 This two volume set CCIS 188 and CCIS 189 constitutes the refereed proceedings of the International Conference on Digital Information Processing and Communications ICDIPC 2011 held in Ostrava Czech Republic in July 2011 The 91 revised full papers of both volumes presented together with 4 invited talks were carefully reviewed and selected from 235 submissions The papers are organized in topical sections on network security Web applications data mining neural networks distributed and parallel processing biometrics technologies e learning information ethics image processing information and data

management software engineering data compression networks computer security hardware and systems multimedia ad hoc network artificial intelligence signal processing cloud computing forensics security software and systems mobile networking and some miscellaneous topics in digital information and communications **Rails Scales!** Cristian Planas,2025-06-24 Rails doesn t scale So say the naysayers They re wrong Ruby on Rails runs some of the biggest sites in the world impacting the lives of millions of users while efficiently crunching petabytes of data This book reveals how they do it and how you can apply the same techniques to your applications Optimize everything necessary to make an application function at scale monitoring product design Ruby code software architecture database access caching and more Even if your app may never have millions of users you reduce the costs of hosting and maintaining it Optimize every aspect of your Ruby on Rails applications for world class performance Tweak your Rails app for snappy responsiveness Find bottlenecks that slow your code Scale an app for massive data sets This book introduces techniques patterns and tricks to make your Rails application become more performant and scale to billions of requests per day And it does it in an entertaining and fun way sharing real life stories of all kinds tales from the trenches of working on massive Rails apps and anecdotes from working on much smaller projects in tiny organizations of a handful of engineers Through all these experiences you will learn that scaling Rails applications is a multifaceted task including aspects such as monitoring query tuning and memory aware coding This book is for programmers of all levels of experience from beginners to experienced Rails veterans You can even show your nontechnical colleagues the features and limitations of Rails at scale Reading this book will help you make Rails applications that fly And it will make you enjoy the process What You Need In the course of this book we will be using Rails 8 0 and Ruby 3 4 The data stores used will be MySQL Postgres Redis and Memcached **Learning Rails 5** J. Mark Locklear,Barnabas Bulpett,Eric J Gruber,2016-08-11 If you re a web developer or designer ready to learn Ruby on Rails this hands on guide is the ideal way to get started Rather than toss you into the middle of the framework s Model View Controller architecture as many books do Learning Rails 5 begins with the foundations of the Web you already know You ll learn how to create something visible with Rails view layer before diving into the more difficult inner layers the database models and controller code All you need to begin your Rails journey is HTML experience Each chapter includes exercises and review questions to test your understanding as you go Present content by building an application with a basic view and a simple controller Build forms and process their results progressing from simple to more complex Use Rails scaffolding and REST to build effective applications quickly Connect forms to models and create code that maps directly to database structures Build applications that combine data from multiple tables Use migrations to track changes to your database over time Add common elements such as sessions cookies and authentication **Vue on Rails** Bryan Lim,Richard LaFranchi,2019-08-29 Build modern and progressive web applications with Vue js and Ruby on Rails As the Rails community embraces JavaScript this book answers your most pressing questions including how to integrate front end technologies with Rails whether to build a single page application

when and how to use JavaScript in your project how to scaffold a Vue component in Rails and how to configure Vue js in a Rails project This book explores how to manage and understand priorities when working with Vue on Rails and how to determine the best configuration for your project You ll see how to reuse your Vue components in a Rails project with less coding and harness the component options as well as how to use props events and slots of Vue components You ll also use webpacker to set up your project and pass data from your Vue component to a Rails controller and back Finally you ll learn which is the best configuration for the router and how to test and deploy your application These topics are essential for developers and product owners because they cover end to end advice for building a web application incrementally or from scratch Vue js on Rails shows you just how easy it is to build and maintain a modern web app and save hundreds of hours integrating these two technologies What You ll Learn Use Vue and Rails together to improve products Build a web app with a focus on developer happiness Take a pragmatic approach to web app development with practical code examples Save time configuring Vue and Rails Control and manage states in a Vue on Rails project Who This Book Is For Product owners seeking a technology for a company s products with an emphasis on development scalability business owners looking to maximize developer satisfaction and successful productdevelopment technical managers requiring a pragmatic and successful web app development strategy and new and experienced developers and designers learning to build web apps using the best tools available **RESTful Rails Development** Silvia Puglisi,2015-10-08 The Web is slowly but surely changing from a model in which a human reader browses content on web pages to a model in which services and clients not necessarily humans exchange information And because of this author Silvia Puglisi explains it makes more sense to build platforms instead of just products or applications Platforms are like ecosystems interconnecting different applications services users developers and partners and offer many benefits In this book you ll learn how to design and develop Representational State Transfer REST platforms in Rails You ll begin with an introduction to Ruby on Rails and then move quickly through new concepts At the end of each chapter you ll have learned something new about building and organically extending a multi service platform spanning different devices and will have had some fun in the process By the end of the book you ll know how to build an architecture composed of different services accessing shared resources through a set of collaborating APIs and applications Explore the basics of REST and HTTP including REST architecture and the role of hypermedia Get to know Rails and Ruby on Rails Learn about API development and create an API Take a thorough look at REST including Asynchronous REST and testing RESTful services Work with data streams as you map them onto an application UI and integrate external APIs in your application Learn about device independent development Use data analytics to recognize important events develop key metrics and track them Explore various tools you can use to build your own data analytic platform Learn how to scale a Rails application successfully Examine privacy and security issues and the implications of handling and collecting user data Rails 4 in Action Rebecca Skinner,Yehuda Katz,Ryan Bigg,Stephen Klabnik,2015-08-30 Summary Rails 4 in Action is a

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