

Ruby on Rails Course Content:35-40hours

Course Outline

RUBY ON RAILS BASICS

Ruby On Rails Training: Getting started with Ruby

- Statements
- Data Types
- Strings
- Symbols
- Operators
- Classes and Instances
- Inheritance
- Modules
- Methods
- Duck Typing
- Blocks, Procs, and Lambdas

Ruby On Rails Training: Discovering Rails

- What is Rails?
- Features and Limitations
- Web Applications 101
- Generating a Rails Application
- Running a Rails Application
- A bit about Git
- The What and Wherefore of Git
- Terminology
- Git Clients

Ruby On Rails Training: Models

- Managing Databases
- Models
- Seeds
- Using the Rails Console & DB Console
- Validating Model Data

- Mapping Object Relationships with Associations
- Queries

Ruby On Rails Training: Views

- HAML
- Views
- Layouts
- Helpers

Ruby On Rails Training: Controllers

- CRUD and REST
- Routing
- Controllers
- Filters

Ruby On Rails Training: Formats and Forms

- Request formats
- Forms
- Form Helpers

Ruby On Rails Training: Test Driven Development

- TDD Intro
- RSpec
- Capybara
- Test doubles, including mocks and stubs
- Factories

Ruby On Rails Training: Cloud Deployment

- OpenSSH public key encryption
- Forking repositories
- Modifying source
- Cloud Deployment in action

Ruby On Rails Training: Configuration and Chores

- Environments
- Rake Tasks
- Code Analysis
- ADVANCED RUBY ON RAILS

Ruby On Rails Training: Welcome

- Introduction
- Testing
- Ruby Tools for Testing

Ruby On Rails Training: Views

- PHPitis
- Helpers
- Custom Helpers
- Duplication
- URL Logic
- content_tag
- Markup
- Forms
- Standardization

Ruby On Rails Training: Controllers

- Controllers
- Common mistakes
- Dashboards

Ruby On Rails Training: Models

- Models
- Views
- Controllers

Ruby On Rails Training: Services

- HTTP Layers
- Testing services with Webmock, Fakeweb, ShamRack

Ruby On Rails Training: Scaling and Deploying

- Balancing
- Sharding
- Asset Storage
- Paperclip
- Cloud
- Occupancy
- Limitations of different storage solutions

Ruby On Rails Training: Third Party Code

- Gems
- Plugins
- Evaluating Gems
- Vendored Code

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