

tech resources - Ruby on Rails

Tech resources related to the the Ruby programming language and the Rails application framework. SQL database is used as a part of Rails.

Note: We will code our project using Ruby on Rails.

Ruby is... “A dynamic, open source programming language with a focus on simplicity and productivity. It has an elegant syntax that is natural to read and easy to write.”

★ www.ruby-lang.org/en/ - the official Ruby website

Rails is... “Ruby on Rails, or simply Rails, is a web application framework written in Ruby”

★ www.rubyonrails.org/ - the official Ruby on Rails website

Ruby

www.tryruby.org - Ruby tutorial, interactive Ruby in a browser panel

www.ruby-lang.org/en/documentation/quickstart/ - Ruby in 20 minutes, a quick intro/tutorial

www.amzn.com/1518721648 - “RUBY Beginner's Crash Course”; I have this book

www.amzn.com/1449372651 - “Head First Ruby” was recently published, Nov 2015; I have one of these too; The Head First series of tech books are usually very readable.

www.gumroad.com/l/write-yourself-a-roguelike - this is a quirky book (not yet finished) about a guy writing a Rogue-like game in Ruby (looks like so mich fun!)

Rails

www.railstutorial.org - this is a FANTASTIC Rails tutorial; the whole book is available online and for free; I have extensive notes on this tutorial somewhere

railsforzombies.org/ - Rails for Zombies online class, videos

www.onemonth.com/courses/one-month-rails/preview - A one month course on Ruby/Rails. The interesting thing is this page, they're syllabus, pretty much. We have to do this in 495.

www.prograils.com/posts/top-10-famous-sites-built-with-ruby-on-rails - For some perspective... "Top 10 famous websites built with Ruby on Rails"

guides.rubyonrails.org/ - up-to-date tutorials for Ruby and Rails, Ruby changes often so some tutorials are out of date; additionally, this "Getting Started" looks really good and comprehensive: guides.rubyonrails.org/getting_started.html

Getting Started with Rails

This guide covers getting up and running with Ruby on Rails.

After reading this guide, you will know:

- ✓ How to install Rails, create a new Rails application, and connect your application to a database.
- ✓ The general layout of a Rails application.
- ✓ The basic principles of MVC (Model, View, Controller) and RESTful design.
- ✓ How to quickly generate the starting pieces of a Rails application.

youtu.be/nRyUn7D8zCc - "Ruby on Rails from the Ground Up" video series from DevTips; I watched it... notes:

- These are pretty recent, Oct 2015
- Note: I found this watching the GitHub for Noobs videos
- **Video #1: What is Rails? (5 mins)**
 - Buzzwords: MVC architecture, Convention over configuration, DRY (don't repeat yourself)

- **Video #2: Setting up Ruby (13 mins)**
 - Installation sites he likes.
 - www.gorails.com - for Ubuntu Rails install/setup
 - www.installrails.com for PC, and indeed, I already used this to install on my Mac
 - And finally, he also likes www.railsinstaller.com
 - www.iterm2.com - he uses iTerm2, instead of the default terminal
 - www.sublimetext.com - he uses Sublime Text text editor
 - www.brew.sh - Homebrew, a collection of installation scripts, “The missing package manager for OS X”
 - rbenv, ruby-build - simplifies managing (the many) Ruby versions out there
 - “Stackoverflow usually has the answers”...
- **Video #3: Ruby Basics (19 mins)**
 - Oops, a dud. Not worthy (first one!)
- **Video #4: Your First Rails Application (44 mins)**
 - Coming soon...

SQL

“SQL (*Structured Query Language*) is a special-purpose programming language designed for managing data held in a relational database management system”
 (en.wikipedia.org/wiki/SQL)

Note: How much SQL we will code? How much is already built into Rails?

www.amzn.com/0596526849 - “Head First SQL” by Lynn Beighley; I have it but haven’t read it yet