

Introduction to Ruby on Rails

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Failure is simply the opportunity to
begin again, this time more intelligently.

Henry Ford

Hi, I'm Stefano!



Bachelor degree in CS

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What we'll do today?

Development environment

Introduction to Ruby on Rails

Ruby syntax

Create a RoR app

Migration example

Development environment

WHAT YOU NEED

Ruby: <https://bitnami.com/stack/ruby/virtual-machine>

Ruby Version Manager - <https://rvm.io/>

Postgres - <http://www.postgresql.org/>

RoR env setup - http://guides.rubyonrails.org/getting_started.html

Ruby On Rails

Ruby on Rails, or simply Rails, is an **open source web application framework** written in Ruby.

Ruby is a **dynamic, reflective, object-oriented**, general-purpose programming language.

Rails is a full-stack framework that emphasizes the use of well-known software engineering patterns and paradigms, including:

- **convention over configuration** (CoC)
- **don't repeat yourself** (DRY)
- **model–view–controller** (MVC)

Ruby syntax examples

```
puts "Hello, Ruby!" => "Hello, Ruby!"
```

```
21 + 2 => 23
```

```
'oh' + 'boy' => 'ohboy'
```

```
'oh' vs :oh (string vs symbol)
```

```
# hi, I'm a comment :)
```

```
([1,2] | [2,3]).sample
```

```
3.times do puts :whatever end
```

```
5.times{|i| puts i.odd? ? :tac : :tic}
```

```
require 'active_support/all'; 1.week.ago > 1.month.ago
```

```
i=0;100.times{i+=1 if (1..100).to_a.sample > 50}; puts i
```

Create RoR App

check that pg is installed! (brew install postgresql - MAC)

rails new APP_NAME -d postgresql

analyze created structure

rake db:create; rails console - rails server

git init

first commit

heroku create

add route for application_controller

deploy again

enjoy :)

Let's add some stuff

create scaffold

rails console to show new table

show files created

commit and redeploy

change application method to store Visitor

forbid routes except “only”

locally test and deploy

check remaining time :)

Q&A



“In che senso?” [cit.]

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