



FUTURE  
SIMPLE

# RAILS 101

# WHAT IS RAILS?

*Rails is a web application development framework written in the Ruby language.*

# WHAT IS RAILS?

**Opinionated software**

# WHAT IS RAILS?

**Don't Repeat Yourself**

# WHAT IS RAILS?

**Convention Over Configuration**

# WHAT IS RAILS?

**REST**

# WHAT IS RAILS?

## REST

GET	/resources
POST	/resources
GET	/resources/1
PUT	/resources/1
DELETE	/resources/1

# WHAT IS RAILS?

**MVC**



# WHAT IS RAILS?

**Model**

# WHAT IS RAILS?

**Views**

# WHAT IS RAILS?

**Controllers**

# BUILDING A RAILS APP

## Installation

# BUILDING A RAILS APP

```
gem install rails --version=3.0.10
```

# BUILDING A RAILS APP

`rails new blog`

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README  
Rakefile  
script  
test  
tmp  
vendor
```

# BUILDING A RAILS APP



# BUILDING A RAILS APP

`.gitignore`

# BUILDING A RAILS APP

.gitignore  
app

# BUILDING A RAILS APP

```
.gitignore  
app  
config
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru
```

# BUILDING A RAILS APP

.gitignore

app

config

config.ru

db

# BUILDING A RAILS APP

.gitignore

app

config

config.ru

db

doc

# BUILDING A RAILS APP

.gitignore

app

config

config.ru

db

doc

Gemfile

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock
```



# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README  
Rakefile
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README  
Rakefile  
script
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README  
Rakefile  
script  
test
```

# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README  
Rakefile  
script  
test  
tmp
```



# BUILDING A RAILS APP

```
.gitignore  
app  
config  
config.ru  
db  
doc  
Gemfile  
Gemfile.lock  
lib  
log  
public  
README  
Rakefile  
script  
test  
tmp  
vendor
```

# BUILDING A RAILS APP

```
bundle --binstubs
```

# BUILDING A RAILS APP

```
# SQLite version 3.x
#   gem install sqlite3
development:
  adapter: sqlite3
  database: db/development.sqlite3
  pool: 5
  timeout: 5000

# Warning: The database defined as "test" will be erased and
# re-generated from your development database when you run "rake".
# Do not set this db to the same as development or production.
test:
  adapter: sqlite3
  database: db/test.sqlite3
  pool: 5
  timeout: 5000

production:
  adapter: sqlite3
  database: db/production.sqlite3
  pool: 5
  timeout: 5000
```

# BUILDING A RAILS APP

```
bin/rake db:create
```

# BUILDING A RAILS APP

`bin/rails server`

# BUILDING A RAILS APP

<http://localhost:3000/>

# BUILDING A RAILS APP



## Welcome aboard

You're riding Ruby on Rails!

[About your application's environment](#)

### Getting started

Here's how to get rolling:

1. Use `rails generate` to create your models and controllers

To see all available options, run it without parameters.

2. Set up a default route and remove or rename this file

Routes are set up in `config/routes.rb`.

3. Create your database

Run `rake db:migrate` to create your database. If you're not using SQLite (the default), edit `config/database.yml` with your username and password.

### Browse the documentation

[Rails API](#)

[Ruby standard library](#)

[Ruby core](#)

[Rails Guides](#)

# BUILDING A RAILS APP

```
bin/rails generate controller home index
```



# BUILDING A RAILS APP

config/routes.rb

```
Blog::Application.routes.draw do
```

```
  root :to => "home#index"
```

```
end
```

# BUILDING A RAILS APP

```
bin/rails generate scaffold Post title:string content:text
```