

Ruby on Rails

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<http://kiskolabs.com>



First a little about **Ruby**

“Ruby is designed to make
programmers happy”

Yukihiro Matsumoto

```
puts "Hello World"
```

Designed for **people**,
not machines

Takes the best features of many
programming languages
(Smalltalk, Perl, Lisp...)

- Dynamic, strong typing
- Object-oriented
- Automatic memory management

Everything is an object

[illegible]

Ruby on Rails

Ruby on Rails is an open-source web framework that's optimised for developer happiness and sustainable productivity

<http://rubyonrails.org/>

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framework that's optimised for
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productivity

The elevator pitch

- Convention over configuration
- DRY — **Don't Repeat Yourself**
- MVC architecture

And also

- Good tools
- A good community
- Good culture

This also goes for **Ruby**

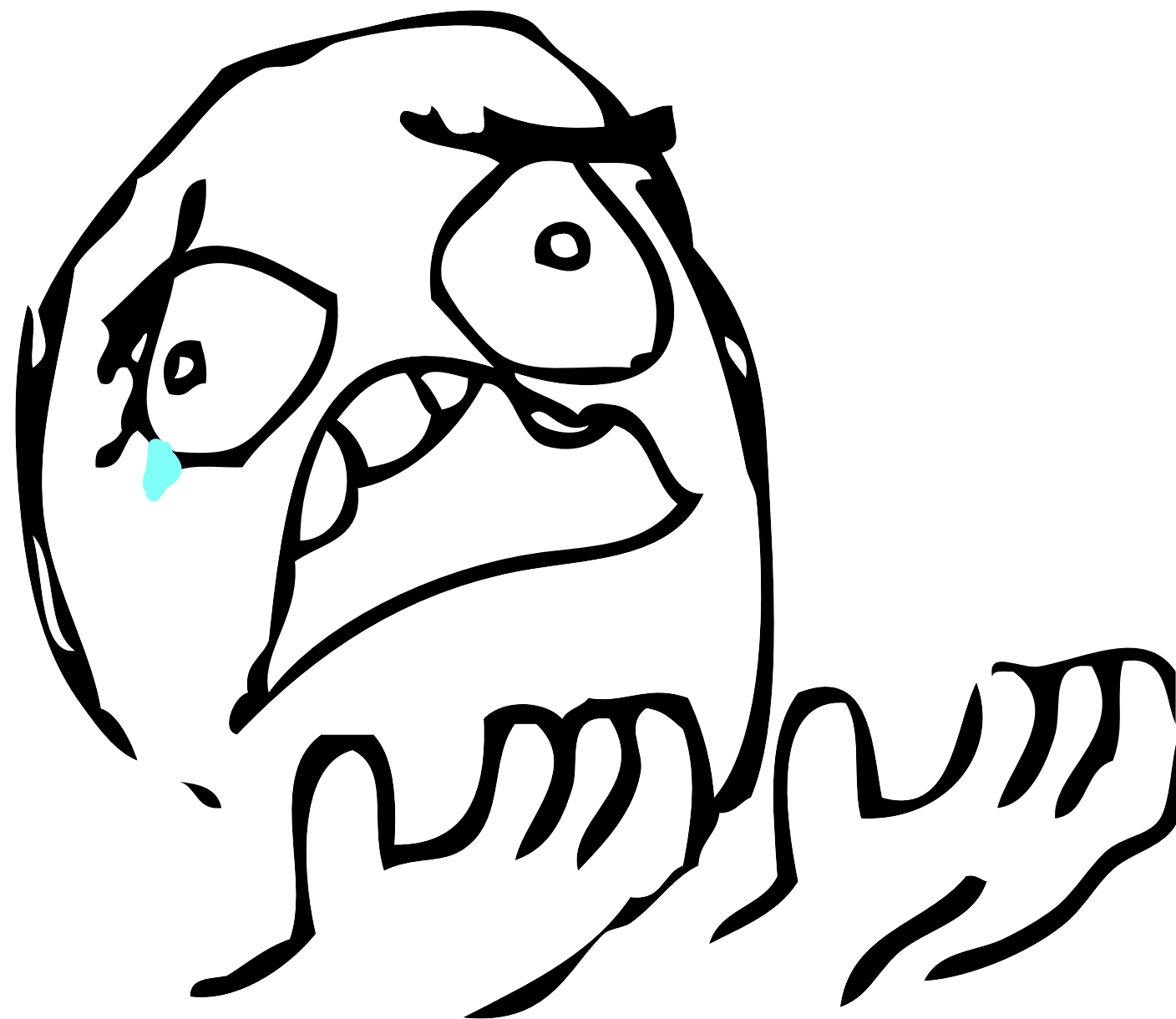
Rails Structure


```
$ rails new awesome_blog
```

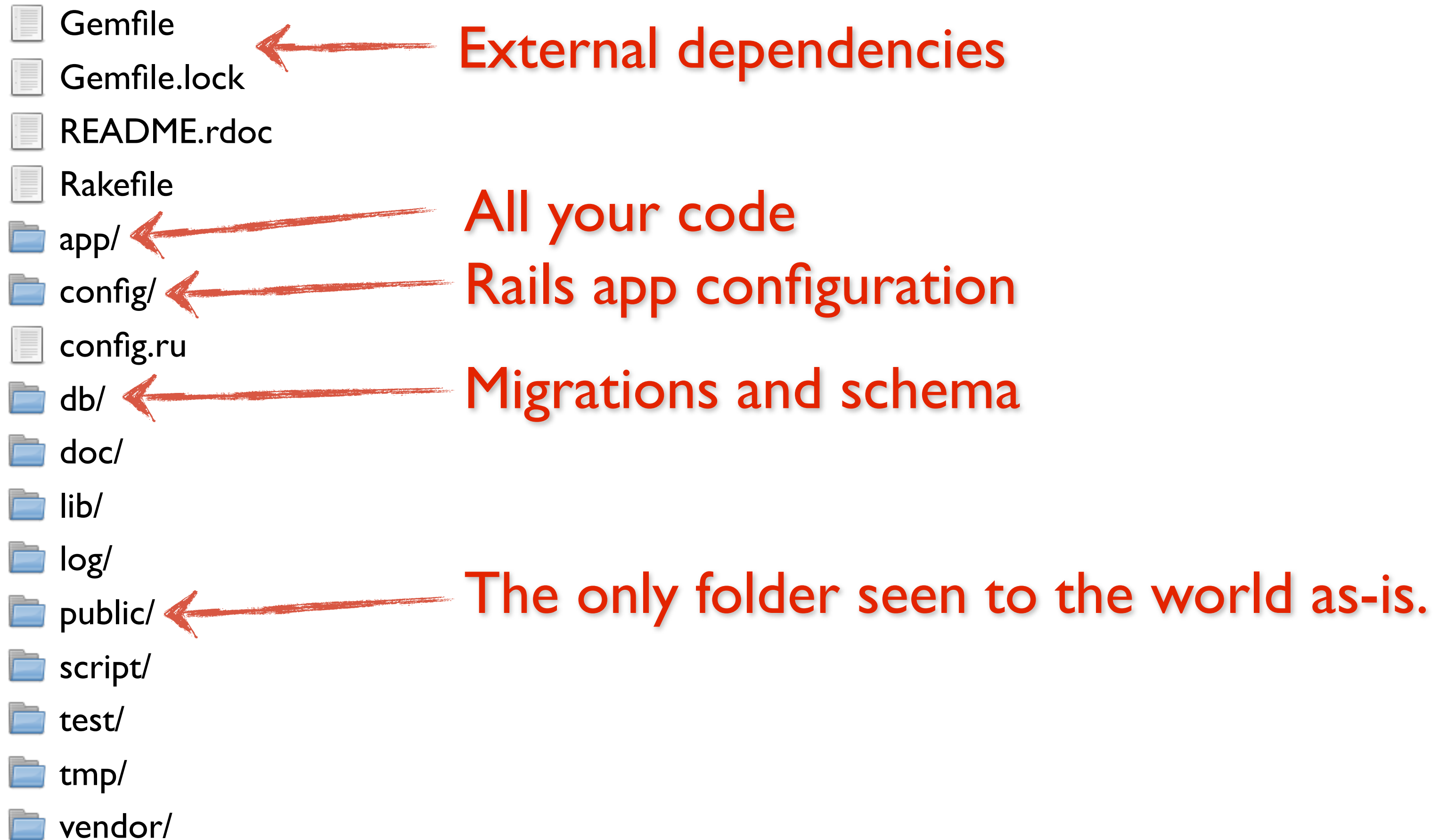

Using sprockets (2.1.2)
Using actionpack (3.2.3)
Using mime-types (1.18)
Using polyglot (0.3.3)
Using treetop (1.4.10)
Using mail (2.4.4)
Using actionmailer (3.2.3)
Using arel (3.0.2)
Using tzinfo (0.3.33)
Using activerecord (3.2.3)
Using activeresource (3.2.3)
Using bundler (1.1.rc.7)
Using coffee-script-source (1.3.1)
Using execjs (1.3.0)
Using coffee-script (2.2.0)
Using rack-ssl (1.3.2)
Using json (1.6.6)
Using rdoc (3.12)
Using thor (0.14.6)
Using railties (3.2.3)
Using coffee-rails (3.2.2)
Using jquery-rails (2.0.2)
Using rails (3.2.3)
Using sass (3.1.15)
Using sass-rails (3.2.5)
Using sqlite3 (1.3.5)
Using uglifier (1.2.4)

Your bundle is complete! Use `'bundle show [gemname]'` to see where a bundled gem is installed.

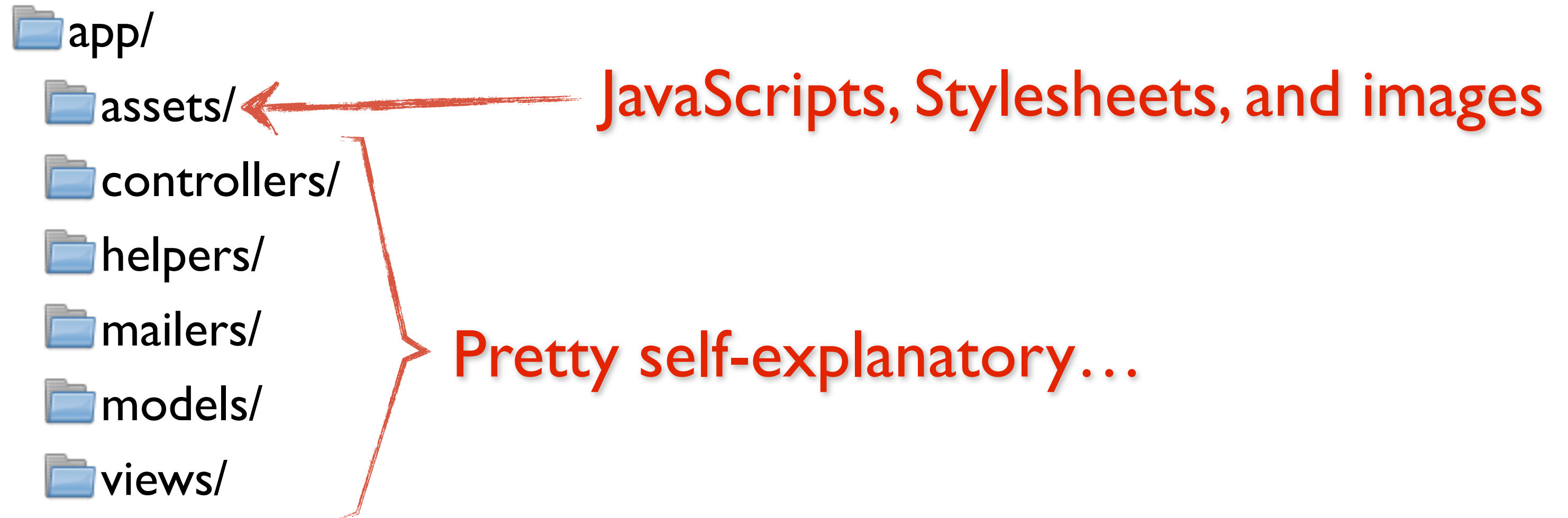
```
~/Programming — zsh — 76x77
matt@Poseidon: ~/Programming — rails new awesome_blog
Using from /Users/matt/.railsrc
create
create README.rdoc
create Rakefile
create config.ru
create .gitignore
create Gemfile
create app
create app/assets/images/rails.png
create app/assets/javascripts/application.js
create app/assets/stylesheets/application.css
create app/controllers/application_controller.rb
create app/helpers/application_helper.rb
create app/mailers
create app/models
create app/views/layouts/application.html.erb
create app/mailers/.gitkeep
create app/models/.gitkeep
create config
create config/routes.rb
create config/application.rb
create config/environment.rb
create config/environments
create config/environments/development.rb
create config/environments/production.rb
create config/environments/test.rb
create config/initializers
create config/initializers/backtrace_silencers.rb
create config/initializers/inflections.rb
create config/initializers/mime_types.rb
create config/initializers/secret_token.rb
create config/initializers/session_store.rb
create config/initializers/wrap_parameters.rb
create config/locales
create config/locales/en.yml
create config/boot.rb
create config/database.yml
create db
create db/seeds.rb
create doc
create doc/README_FOR_APP
create lib
create lib/tasks
create lib/tasks/.gitkeep
create lib/assets
create lib/assets/.gitkeep
create log
create log/.gitkeep
create public
create public/404.html
create public/422.html
create public/500.html
create public/favicon.ico
create public/index.html
create public/robots.txt
create script
create script/rails
create test/fixtures
create test/fixtures/.gitkeep
create test/functional
create test/functional/.gitkeep
create test/integration
create test/integration/.gitkeep
create test/unit
create test/unit/.gitkeep
create test/performance/browsing_test.rb
create test/test_helper.rb
create tmp/cache
create tmp/cache/assets
create vendor/assets/javascripts
create vendor/assets/javascripts/.gitkeep
create vendor/assets/stylesheets
create vendor/assets/stylesheets/.gitkeep
create vendor/plugins
create vendor/plugins/.gitkeep
run bundle install
```



Why so many files?



The app directory



Every Rails app will always look like this.

Unless the developer has **really** screwed up.

=> Demo

Code: <https://github.com/ljuti/aalto-on-rails>

Where to go?
How to learn?

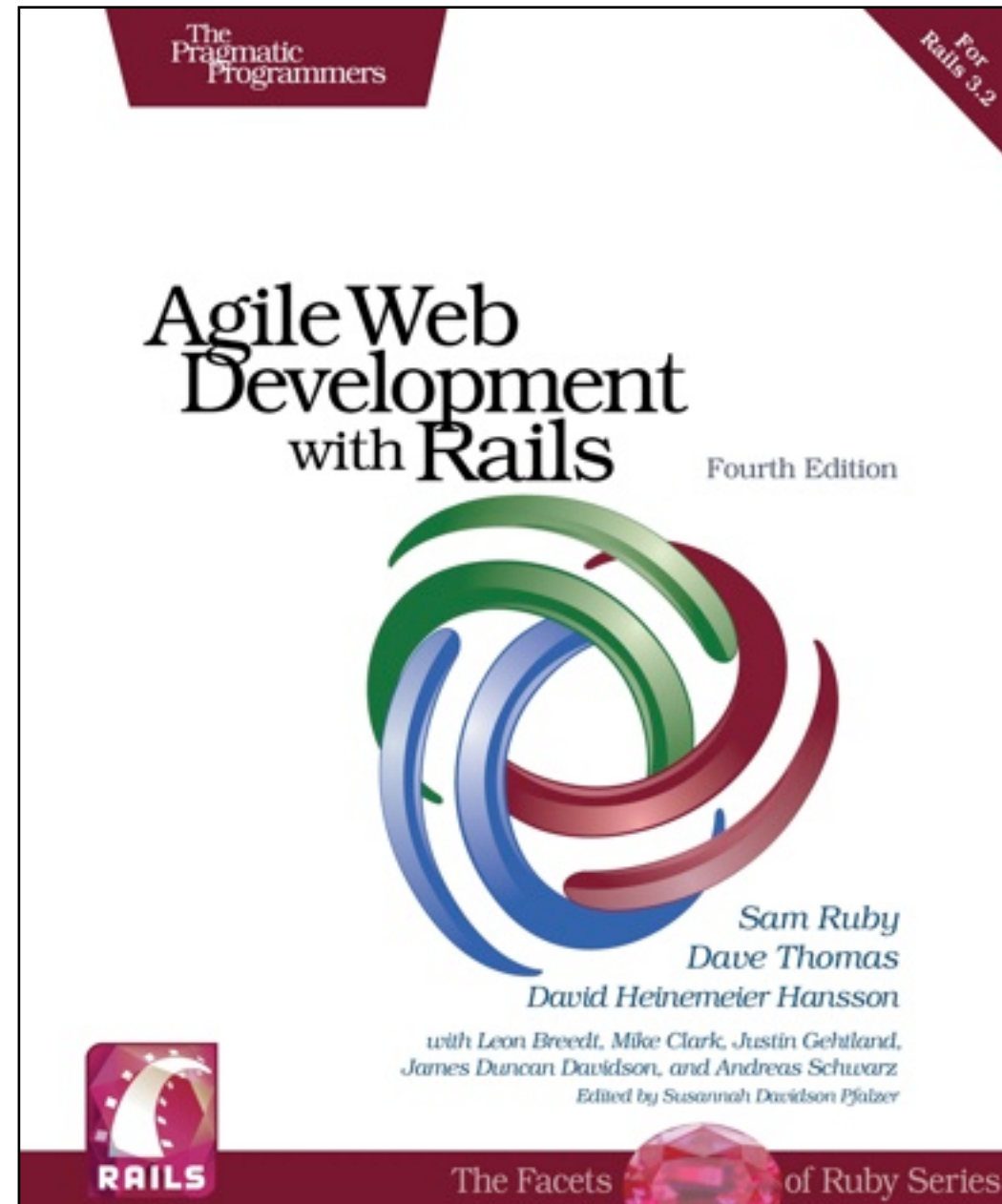
Best Resources

- Rails Guides: <http://guides.rubyonrails.org>
- RailsCasts: <http://railscasts.com>
- Ruby Toolbox: <https://www.ruby-toolbox.com>
- Why Ruby? <http://j.mp/WhyRuby>
- IRC: The #rubyonrails channel on `irc.freenode.net`

The Best Books

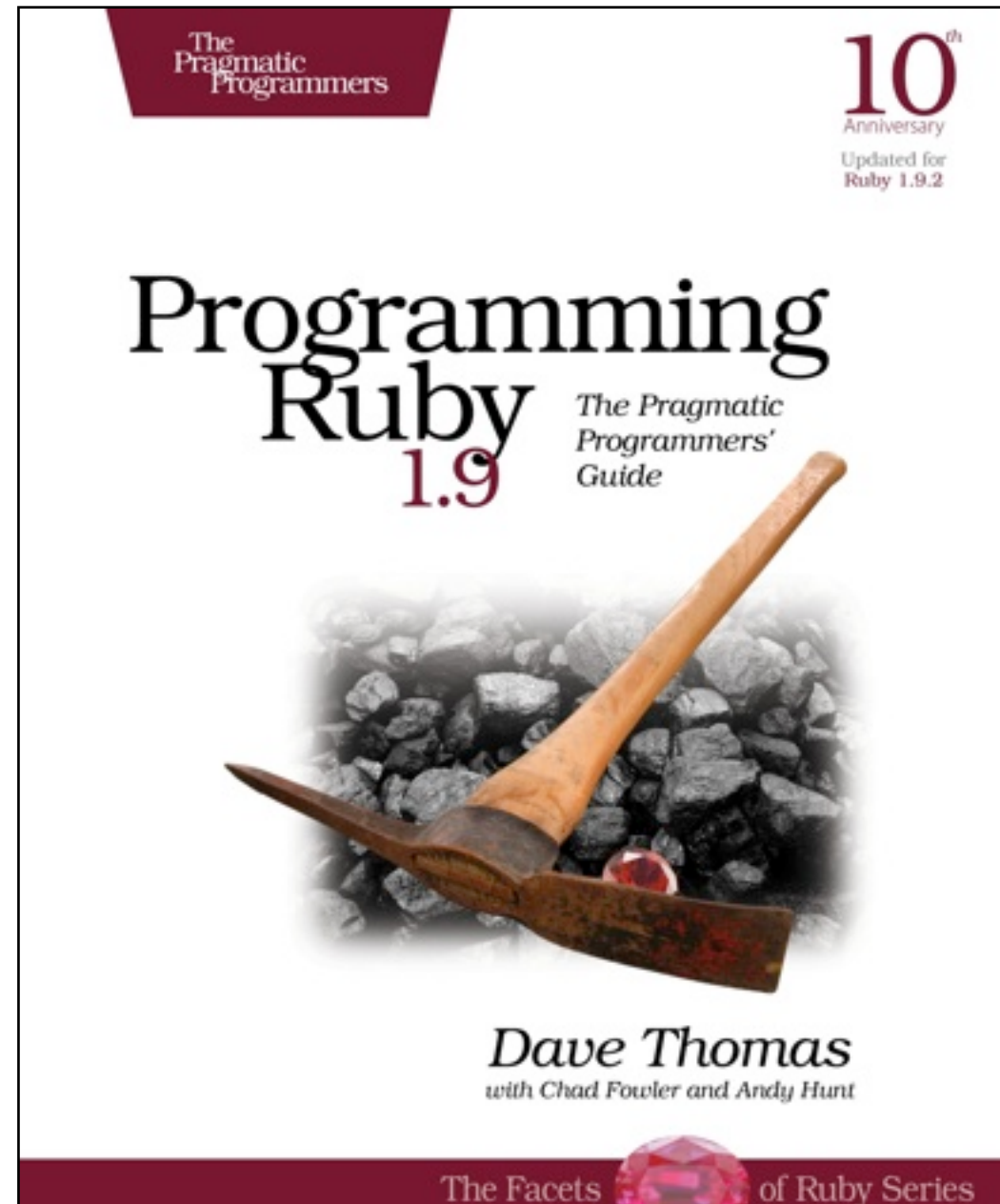
Agile Web Development with Rails

(4th edition)



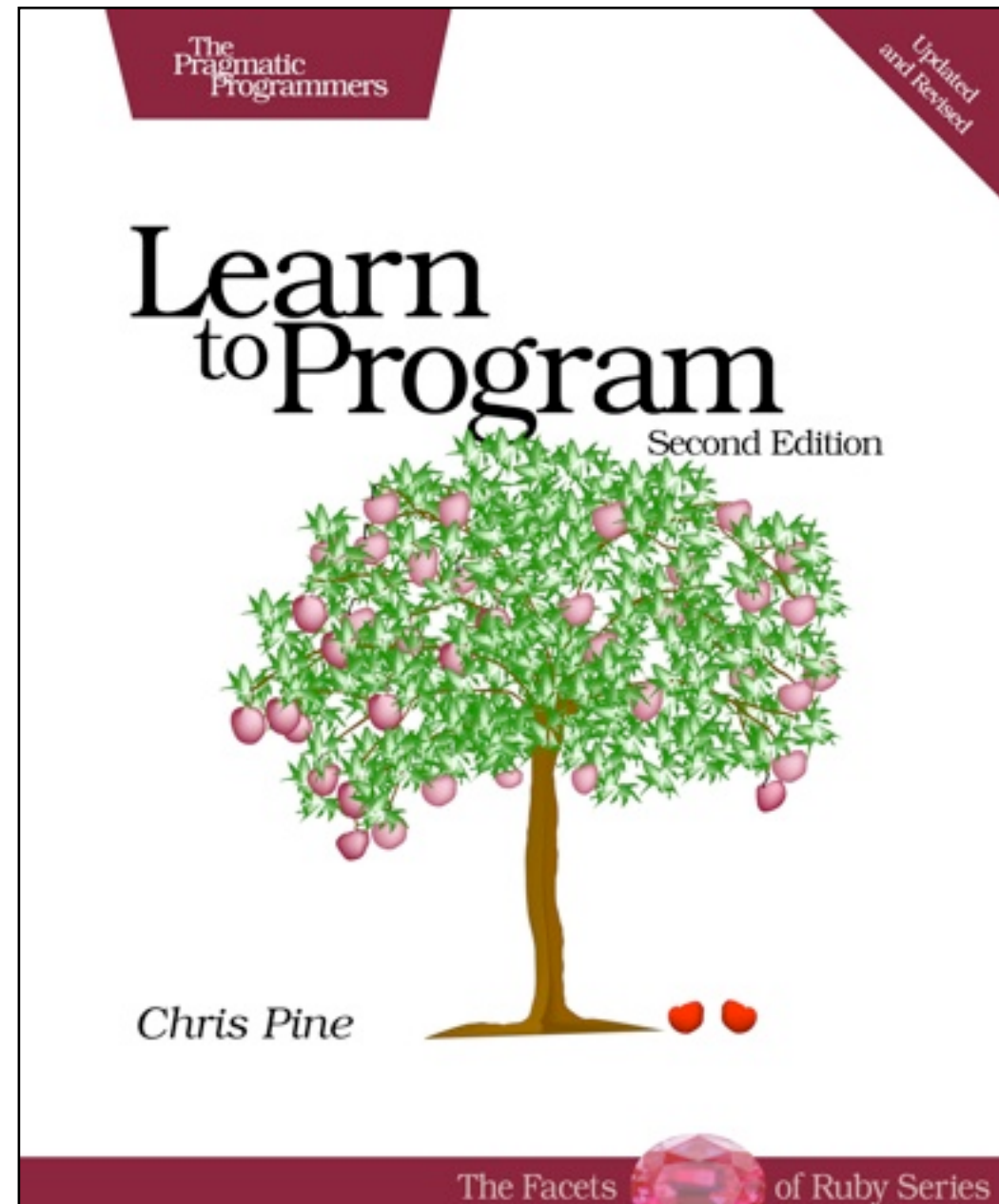
Programming Ruby 1.9

(3rd edition)



Learn to Program

(2nd edition)



kisko

LABS

- Established in 2007
- We only do Ruby
- There are now 9 of us:
 - 3 designers
 - 3 developers + the 2 founders
- Everybody knows how to code.

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Helsinki Ruby Brigade



<http://rubybrigade.fi>

Frozen Rails 2012



September 20 – 21
<http://2012.frozenrails.eu>