

# Ruby






# Dilum Navanjana

**Senior Software Engineer**

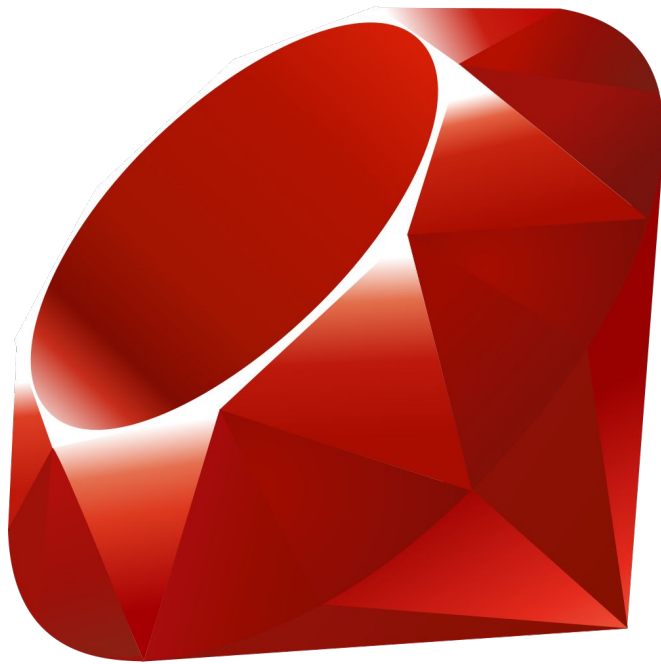
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**99X**Technology

dilumn\_ 





**OPEN SOURCE SOFTWARE**

A word cloud surrounding the main title, featuring terms such as: ACCESS, FREE, COPYRIGHT, CONCEPT, NEW, USING, FORMAT, LAW, PRODUCTS, CASE, ECONOMIC, DEVELOPMENT, AVAILABLE, MEDIA, CULTURE, INTERNATIONAL, COST, COMPANY, NOW, SHARING, INFORMATION, DIGITAL, ECONOMICS, NETWORK, POLITICAL, SOCIETY, INTELLECTUAL, CREATIVE, PUBLIC, ALSO, MESSAGING, BLOODS, RAYMOND, INCLUDING, PHARMACEUTICALS, ONLINE, USE, SYSTEM, INNOVATION, PRICES, EDIT, COMMONS, DEAN, MODELS, FILM, MUSIC, IDEA, ETHIC, LIKE, OTHERS, BASED, DATA, VOL, LIMITED, CODE, AUDIO, USED, WEB, BUSINESS, PRESS, PDF, BEER, MANY, CALLED, CODE, MOVIE, SERIES, LICENSES, CENTURY, TERM, COMMUNITY, CULTURAL, RESEARCH, TECHNOLOGY, OPEN-SOURCE, COMPUTER, PROJECTS, PLATFORM, INITIATIVE, ETHICS, BECOME, COMMUNITIES, COMPANIES, EXAMPLE, TECHNOLOGIES, PRODUCTION, EXPRESSION, CONTENT, POTENTIAL, MADE, WORLD, USERS, SCIENCE, VARIOUS, ANOTHER, OPERATION, ADOBE, NUMBER, WORK, WOMEN'S, MOVEMENT, HYPOTHESIS, WITHOUT, CONCEPT, CREATED, USING, FORMAT, LAW, PRODUCTS, CASE, ECONOMIC, DEVELOPMENT, AVAILABLE, MEDIA, CULTURE, INTERNATIONAL, COST, COMPANY, NOW, SHARING, INFORMATION, DIGITAL, ECONOMICS, NETWORK, POLITICAL, SOCIETY, INTELLECTUAL, CREATIVE, PUBLIC, ALSO, MESSAGING, BLOODS, RAYMOND, INCLUDING, PHARMACEUTICALS, ONLINE, USE, SYSTEM, INNOVATION, PRICES, EDIT, COMMONS, DEAN, MODELS, FILM, MUSIC, IDEA, ETHIC, LIKE, OTHERS, BASED, DATA, VOL, LIMITED, CODE, AUDIO, USED, WEB, BUSINESS, PRESS, PDF, BEER, MANY, CALLED, CODE, MOVIE, SERIES, LICENSES, CENTURY, TERM, COMMUNITY, CULTURAL, RESEARCH, TECHNOLOGY, OPEN-SOURCE, COMPUTER, PROJECTS, PLATFORM.

There are numerous programming languages

But what we love most is..

# Ruby

But what is Ruby?

Ruby the syntax



# Ruby the philosophy

Ruby the library

Ruby the gems

Ruby the community

# Yukihiro Matsumoto



“Ruby is simple in appearance, but is very complex inside, just like our human body” - Yukihiro Matsumoto

# Ruby versions

- Ruby MRI
- JRuby
- goruby
- Rubinius

# Basic features

- Classes, Inheritance
- Threads
- Cross Platform
- Garbage Collection
- Exception Handling
- Object Oriented
- Regular Expressions
- Variables are not typed
- Powerful string operations

# Awesome Ruby

It's beautiful



# It's beautiful

```
puts "Hello World"
```

# It's beautiful

```
a = 5
```

```
b = "HI"
```

# Awesome Ruby

Everything is an object

# Everything is an object

```
a = 5
```

```
a.class //Fixnum
```

# Everything is an object

```
5.times { puts "Hello" }
```

# Awesome Ruby

## Duck Typing

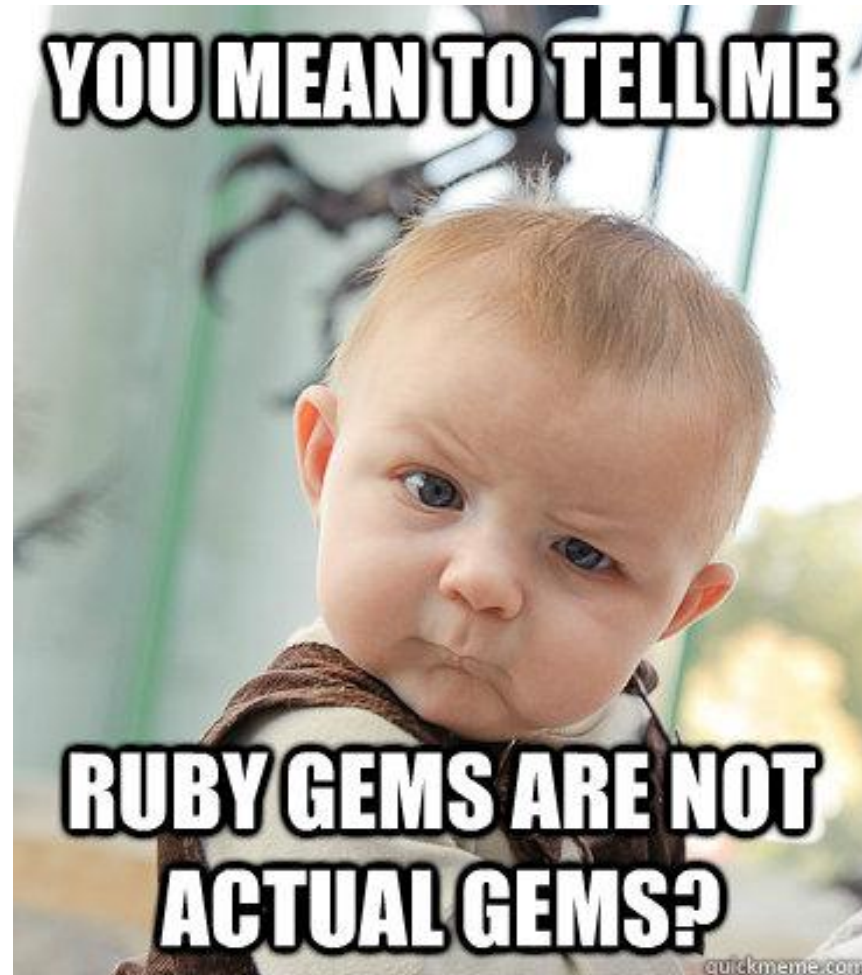
If an object walks like a duck and talks like a duck, then the Ruby interpreter is happy to treat it as if it were a duck.

# Awesome Ruby

open classes

# Awesome Ruby

gems





# gems

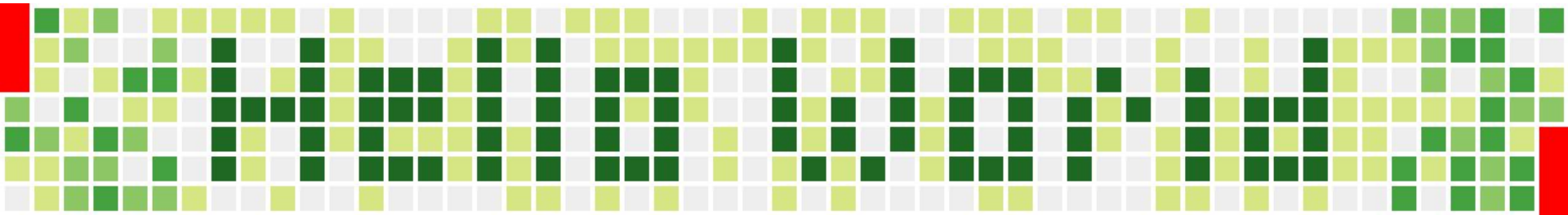
You can create your own gem

```
bundle gem GEMNAME
```

# Demo

## Part II





[Pull requests](#) [Issues](#) [Gist](#)

# José Valim

josevalim



Plataformatec



Kraków, Poland



[jose.valim@plataformatec.com...](mailto:jose.valim@plataformatec.com...)



<http://blog.plataformatec.com.br/>



Joined on May 7, 2008

5.1k

Followers

221

Starred

24

Following

## Organizations

[Contributions](#)[Repositories](#)[Public activity](#)[Unfollow](#)[Block or report](#)

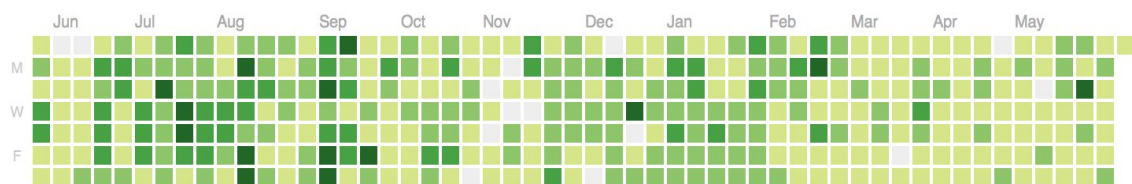
### Popular repositories

<a href="#">inherited_resources</a>	2,548 ★
<a href="#">rails-footnotes</a> Every Rails page has footnotes that gives info...	1,407 ★
<a href="#">enginex</a> An executable which creates a bare Rails 3 en...	465 ★
<a href="#">easy_http_cache</a> Allows Rails controllers to use HTTP cache sp...	79 ★
<a href="#">xgen</a> Integrating Elixir, Mix and OTP	55 ★

### Repositories contributed to

<a href="#">elixir-lang/elixir</a> Elixir is a dynamic, functional language design...	7,190 ★
<a href="#">elixir-lang/ecto</a> A database wrapper and language integrated ...	1,799 ★
<a href="#">phoenixframework/phoenix</a> Productive. Reliable. Fast.	6,464 ★
<a href="#">elixir-lang/elixir-lang.github.com</a> Website for Elixir	118 ★
<a href="#">elixir-lang/ex_doc</a> ExDoc produces HTML and online documenta...	229 ★

### 3,814 contributions in the last year



Summary of pull requests, issues opened, and commits. [Learn how we count contributions.](#)

Less More

### Contribution activity

Period: 1 week ▼



## Felix Krause

KrauseFx

Professional iOS Code Signing Issue Resolver - Developer of **@fastlane**



Twitter



San Francisco



github@krausefx.com



https://krausefx.com



Joined on Jun 23, 2011

1.4k

Followers

526

Starred

9

Following

### Organizations



Contributions

Repositories

Public activity

Unfollow

Block or report



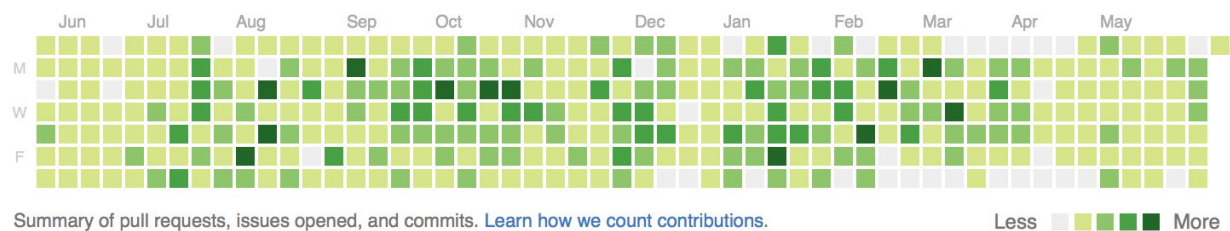
### Popular repositories

<b>TSMessages</b>	4,437 ★
Easy to use and customizable messages/notifi...	
<b>what-terminal-is-felix-using</b>	216 ★
For everyone who wants to know more about t...	
<b>fastrocks</b>	18 ★
Visualize fastlane launches as rockets	
<b>evaluation_report</b>	17 ★
The evaluation report I wrote about fastlane at...	
<b>trollol</b>	12 ★
GitHub pull requests - done right	

### Repositories contributed to

<b>fastlane/fastlane</b>	8,410 ★
The easiest way to automate building and rele...	
<b>fastlane-old/spaceship</b>	709 ★
Ruby library to access the Apple Dev Center a...	
<b>fastlane-old/fastlane_core</b>	35 ★
All shared code of the fastlane toolchain	
<b>fastlane-old/gym</b>	681 ★
Building your iOS apps has never been easier	
<b>fastlane-old/snapshot</b>	2,071 ★
Automate taking localized screenshots of your...	

### 6,733 contributions in the last year



### Contribution activity

Period: 1 week

70 commits

Pushed 24 commits to fastlane/fastlane May 31 – Jun 4

# What if we didn't have Open Source



*And the best part is, it's open source!*

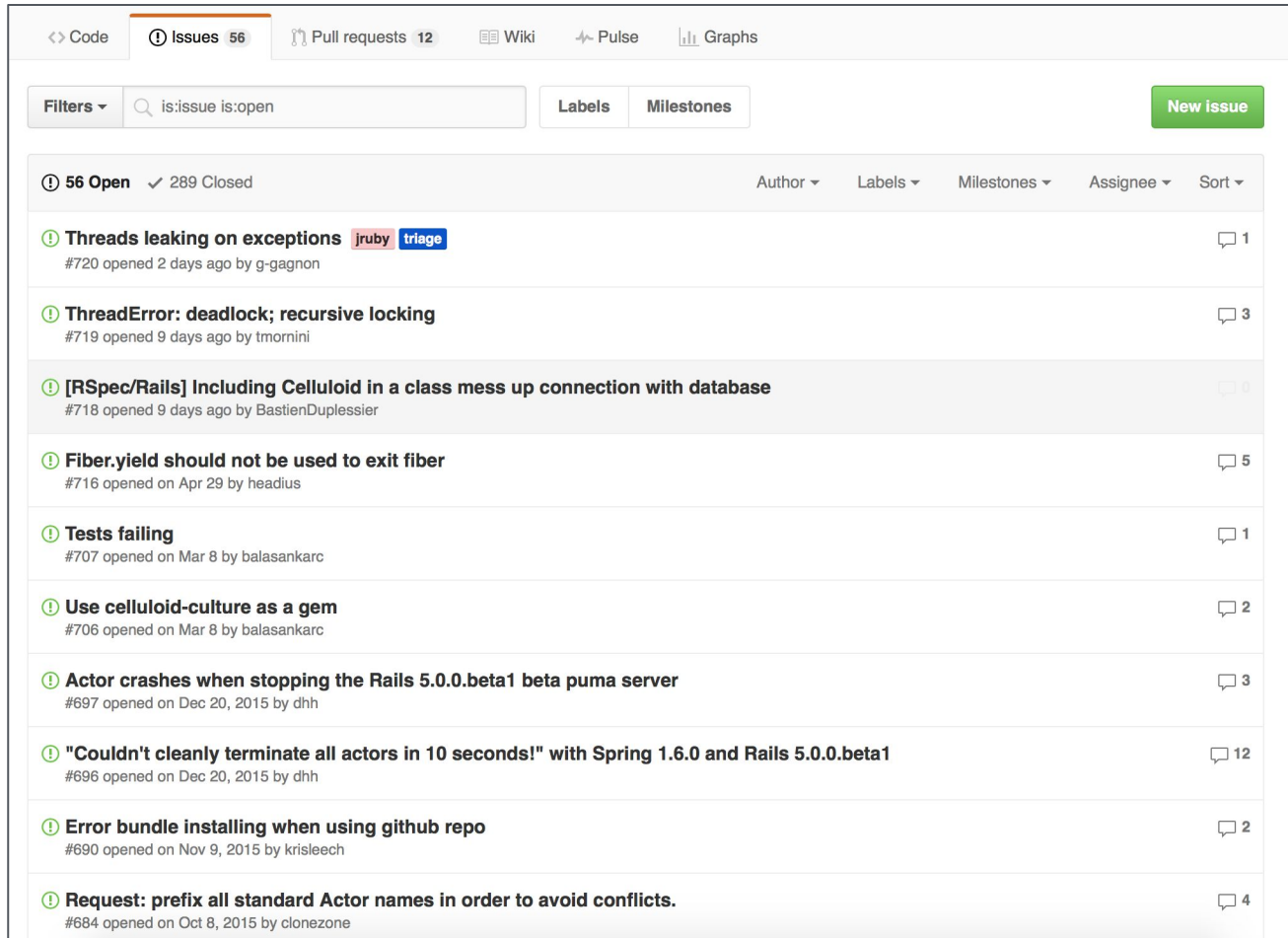


# 1. Use Open Source Software





## 2. Report bugs if you find while using



The screenshot shows the GitHub Issues page for the rails/rails repository. The top navigation bar includes links for Code, Issues (56), Pull requests (12), Wiki, Pulse, and Graphs. Below the navigation bar, there are filters (is:issue is:open), labels, milestones, and a 'New issue' button. The main content area displays a list of 56 open issues, with 289 closed issues. The issues are sorted by default, and the list includes the following details for each issue:

- 56 Open** ✓ 289 Closed
- Threads leaking on exceptions** (ruby, triage) #720 opened 2 days ago by g-gagnon
- ThreadError: deadlock; recursive locking** #719 opened 9 days ago by tmornini
- [RSpec/Rails] Including Celluloid in a class mess up connection with database** #718 opened 9 days ago by BastienDuplessier
- Fiber.yield should not be used to exit fiber** #716 opened on Apr 29 by headius
- Tests failing** #707 opened on Mar 8 by balasankarc
- Use celluloid-culture as a gem** #706 opened on Mar 8 by balasankarc
- Actor crashes when stopping the Rails 5.0.0.beta1 beta puma server** #697 opened on Dec 20, 2015 by dhh
- "Couldn't cleanly terminate all actors in 10 seconds!" with Spring 1.6.0 and Rails 5.0.0.beta1** #696 opened on Dec 20, 2015 by dhh
- Error bundle installing when using github repo** #690 opened on Nov 9, 2015 by krisleech
- Request: prefix all standard Actor names in order to avoid conflicts.** #684 opened on Oct 8, 2015 by clonezone










### 3. Start with small patches to gain confidence

#### 1. Fork the repository



# 4. Participate in the mailing list / bug reporter to answer questions

This list is for discussion of the Bundler ruby gem, which helps developers manage their gem dependencies. Documentation is available at [bundler.io](http://bundler.io), and the source code is at [github.com/bundler/bundler](https://github.com/bundler/bundler). If you're having trouble with Bundler, please read the [ISSUES](#) document for troubleshooting help.

	<b>Gem extensions vs Ruby versions</b> (1) By Victor Shepelev - 1 post - 2 views	May 20
	<b>Running Local Gems Without a Github Repository?</b> (9) By Jon - 9 posts - 44 views	May 1
	<b>Illegal environment variable name for gem repo mirror setting</b> (3) By Jack C - 3 posts - 7 views	Apr 23
	<b>Ruby Version as Resolution Dependency</b> (2) By Richard Schneeman - 2 posts - 125 views	Mar 25
	<b>Reporting "Pathological" Gemfiles</b> (2) By Brian Buchalter - 2 posts - 7 views	Mar 23
	<b>How to measure a Rubygems mirror?</b> (1) By Erick Guan - 1 post - 5 views	Mar 17
	<b>How does the bundler.io website do syntax highlighting?</b> (3) By Dave Hein - 3 posts - 8 views	Mar 14
	<b>bundler help test fails osx</b> (3) By Vlad Shablinsky - 3 posts - 12 views	Mar 12
	<b>How to tell Bundler to NOT use any --pre version?</b> (3) By Mario Zaizar - 3 posts - 15 views	Mar 2

# 5. Make larger patches

[Code](#) [Issues 56](#) [Pull requests 12](#) [Wiki](#) [Pulse](#) [Graphs](#)

Filters

LabelsMilestones

New Issue

56 Open ✓ 289 Closed

Author ▾Labels ▾Milestones ▾Assignee ▾Sort ▾

! Threads leaking on exceptions ruby triage

#720 opened 2 days ago by g-gagnon

1

! ThreadError: deadlock; recursive locking

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3

! [RSpec/Rails] Including Celluloid in a class mess up connection with database

#718 opened 9 days ago by BastienDuplessier

0

! Fiber.yield should not be used to exit fiber

#716 opened on Apr 29 by headius

5

! Tests failing

#707 opened on Mar 8 by balasankarc

1

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2

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2

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#684 opened on Oct 8, 2015 by clonezone

4

# Money matters

There Are Two Kinds of People



# Benefits of become an Open Source Contributor



# Google Summer of Code



Google  
Summer of Code



**OPEN SOURCE**



**NEEDS YOU**

memegenerator.net





**KEEP  
CALM  
PRESENTATION IS OVER  
ANY  
QUESTIONS?**

# Thank you....