

Exploring Ruby's Ecosystem

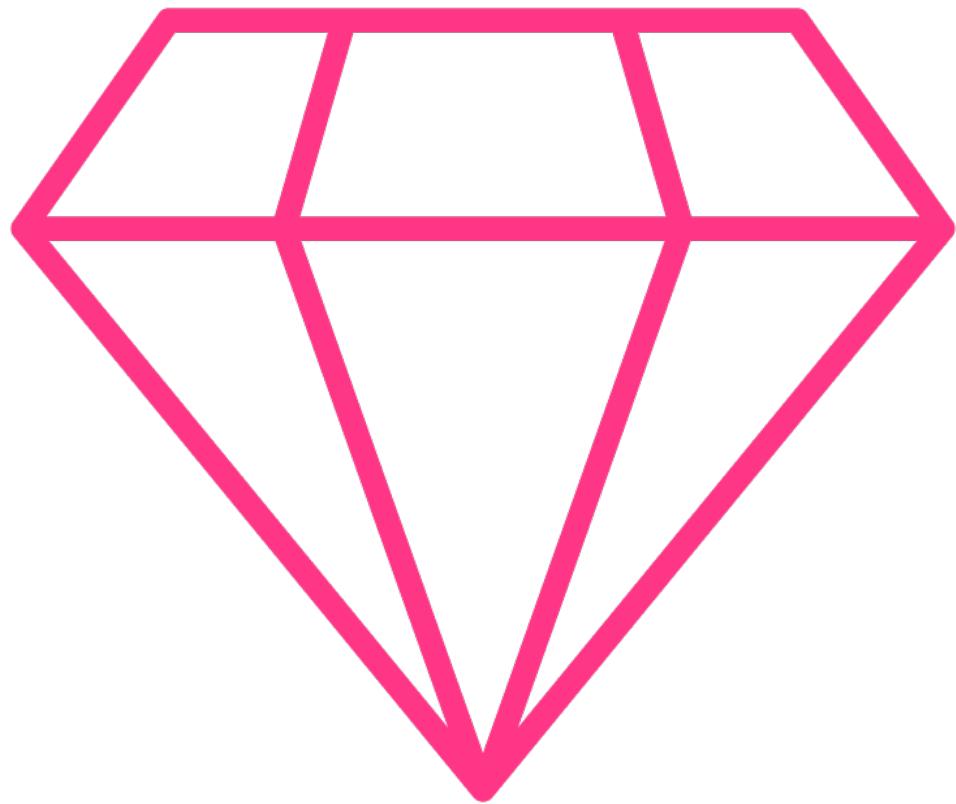


Paolo Perrotta

Developer, Author

@nusco | www.paoloperrotta.com

Ruby Implementations



- YARV
- JRuby
- mruby
- TruffleRuby
- Rubinius
- Artichoke
- GoRuby
- IronRuby
- REE
- ...

ruby-lang.org

Ruby Programming Language

Ruby

A PROGRAMMER'S BEST FRIEND

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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.

 Download Ruby or [Read More...](#)

```
# The Greeter class
class Greeter
  def initialize(name)
    @name = name.capitalize
  end

  def salute
    puts "Hello #{@name}!"
  end
end

# Create a new object
g = Greeter.new("world")

# Output "Hello World!"
g.salute
```

Ruby 3.2.0 Released

[Continue Reading...](#)

Posted by naruse on 25 Dec 2022

Ruby 3.2.0 RC 1 Released

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Posted by naruse on 6 Dec 2022

Get Started, it's easy!

[Try Ruby! \(in your browser\)](#)
[Ruby in Twenty Minutes](#)
[Ruby from Other Languages](#)

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[Documentation](#)



The **Ruby** Programming Language on the JVM



Latest release - **9.4.2.0**
[tar](#) | [zip](#) | [exe](#) | [exe\(x64\)](#)

WHY JRUBY?

The Best of the JVM



- High performance
- Real threading
- Vast array of libraries

GET STARTED

It's Just Ruby



Ruby 3.1 compatible

LEARN

GET INVOLVED

Platform Independent



- Easy to install
- Easy migration
- No hassles

RECENT NEWS

JRuby 9.4.2.0 Released

The JRuby community is pleased to announce the release of JRuby 9.4.2.0.

- Homepage: <https://www.jruby.org/>
- Download: <https://www.jruby.org/download>

JRuby 9.4.x targets Ruby 3.1 compatibility.

RECENT TWEETS

FOLLOW US ON TWITTER

Tweets from @jruby

Follow

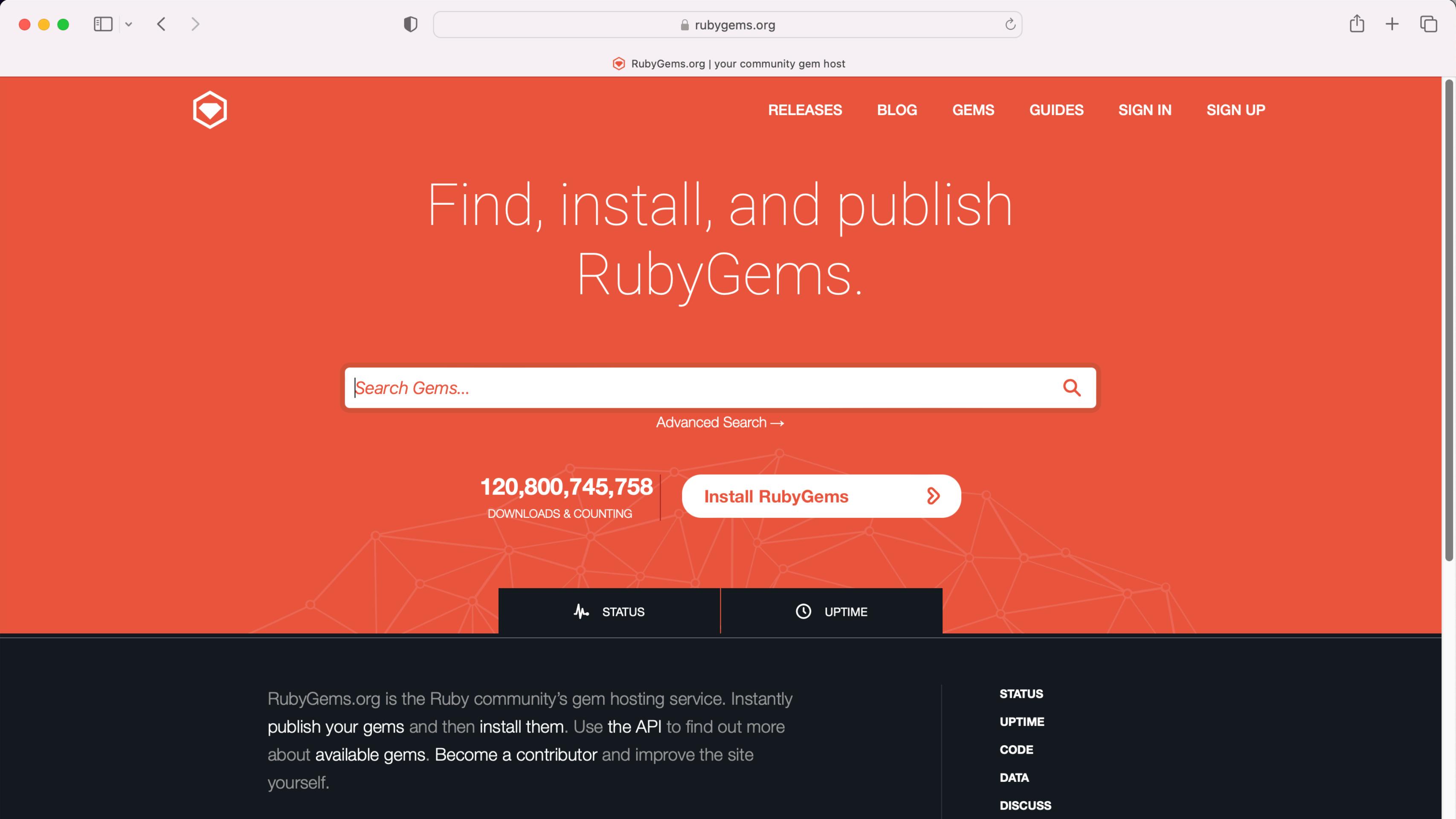
 JRuby Dev Team Retweeted

 mike dalessio @flavorjones · Apr 3 Rubyists! Loofah v2.21.0.rc1 is out with:

- HTML5 parser support
- official JRuby support (finally)



RubyGems and Bundler



Find, install, and publish RubyGems.

Search Gems...



Advanced Search →

120,800,745,758

DOWNLOADS & COUNTING

Install RubyGems



STATUS

UPTIME

RubyGems.org is the Ruby community's gem hosting service. Instantly publish your gems and then install them. Use the API to find out more about available gems. Become a contributor and improve the site yourself.

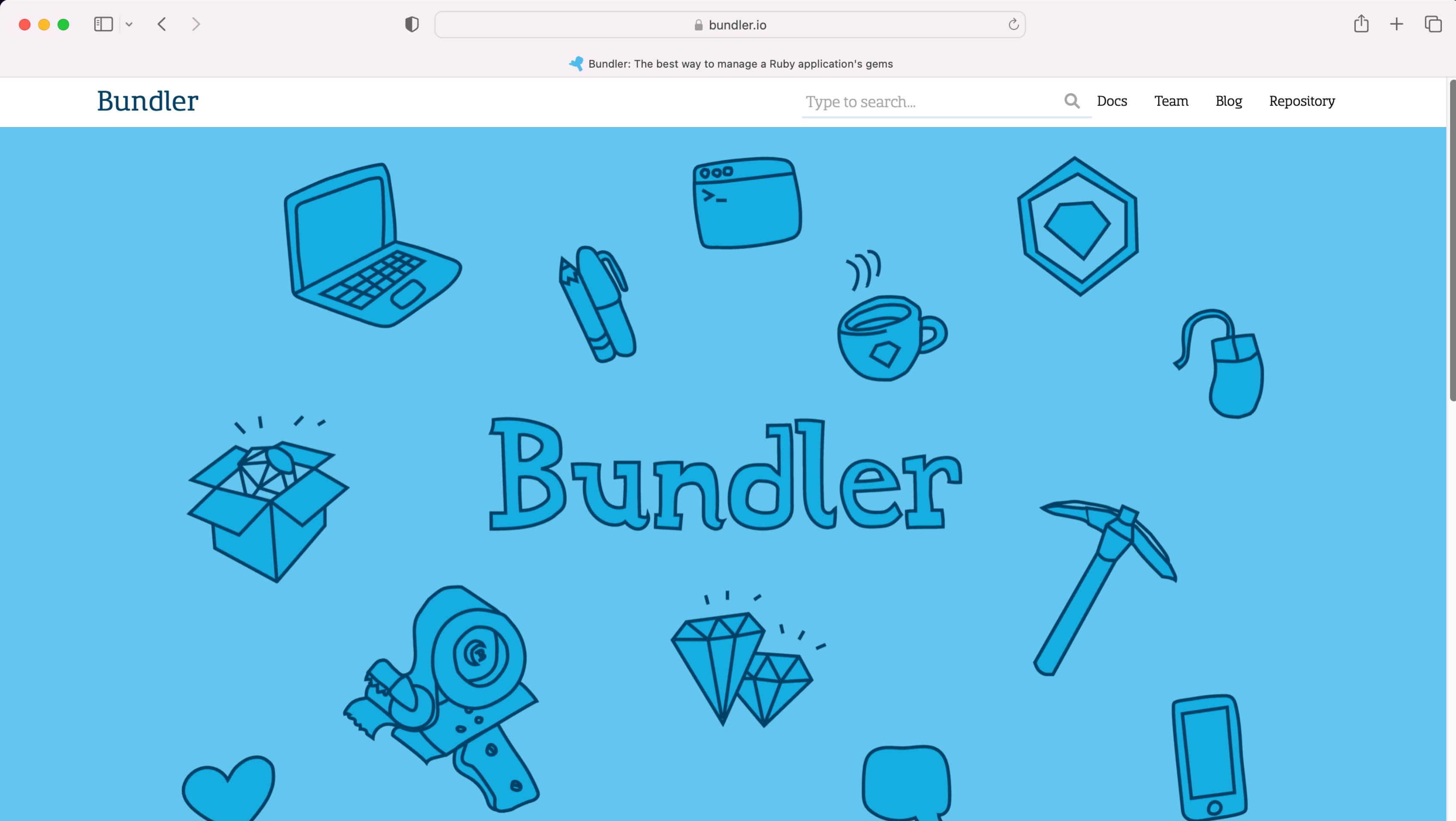
STATUS

UPTIME

CODE

DATA

DISCUSS



Bundler

Type to search...

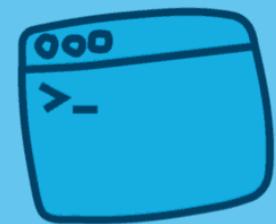


Docs

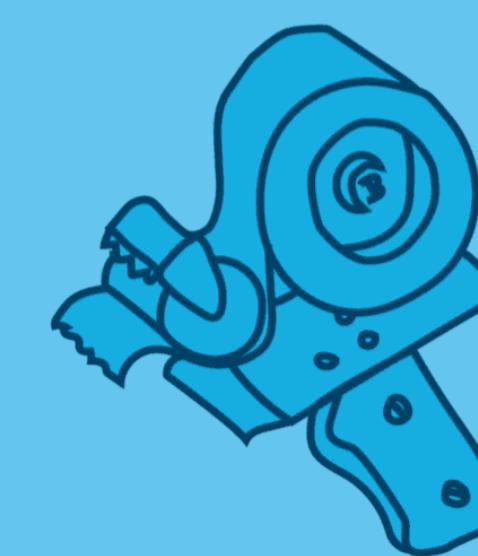
Team

Blog

Repository



Bundler





Editors and IDEs

Where Would You Write Your Code?

Static Languages

Most developers use Integrated Development Environments (IDEs):
Eclipse, Visual Studio...

Dynamic Languages

Most developers use modern text editors: **Visual Studio Code, Sublime Text, vim...**

albums.csv ×

```
1 Title,Author,Genre,Year
2 Revolver,The Beatles,Pop,1966
3 Time Out,Dave Brubeck,Jazz,1959
4 Exile on Main St.,The Rolling Stones,Rock,1972
5 Kind of Blue,Miles Davis,Jazz,1959
6 The Wall,Pink Floyd,Rock,1979
7 Thriller,Michael Jackson,Pop,1982
8 Blue Train,John Coltrane,Jazz,1958
9 Led Zeppelin II,Led Zeppelin,Rock,1969
10 A Love Supreme,John Coltrane,Jazz,1964
11 The Epic,Kamasi Washington,Jazz,2015
12 |
```

...

```
>pry
[1] pry(main)> require "csv"
=> true
[2] pry(main)> albums = CSV.read("albums.csv")
=> [[ "Title", "Author", "Genre", "Year" ],
[ "Revolver", "The Beatles", "Pop", "1966" ],
[ "Time Out", "Dave Brubeck", "Jazz", "1959" ],
[ "Exile on Main St.", "The Rolling Stones", "Rock", "1972" ],
[ "Kind of Blue", "Miles Davis", "Jazz", "1959" ],
[ "The Wall", "Pink Floyd", "Rock", "1979" ],
[ "Thriller", "Michael Jackson", "Pop", "1982" ],
[ "Blue Train", "John Coltrane", "Jazz", "1958" ],
[ "Led Zeppelin II", "Led Zeppelin", "Rock", "1969" ],
[ "A Love Supreme", "John Coltrane", "Jazz", "1964" ],
[ "The Epic", "Kamasi Washington", "Jazz", "2015" ]]
[3] pry(main)> albums[1]
=> [ "Revolver", "The Beatles", "Pop", "1966" ]
[4] pry(main)> albums[0]
=> [ "Title", "Author", "Genre", "Year" ]
[5] pry(main)> albums[2..4]
=> [[ "Time Out", "Dave Brubeck", "Jazz", "1959" ],
[ "Exile on Main St.", "The Rolling Stones", "Rock", "1972" ],
[ "Kind of Blue", "Miles Davis", "Jazz", "1959" ]]
[6] pry(main)> albums[1]
```

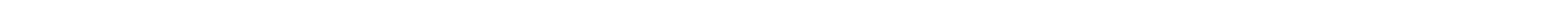


The Ruby Community

Many modern ideas about
how to build and test
software come from the
Ruby community.

MINASWAN

“Matz Is Nice And So We Are Nice”



Yukihiko “Matz” Matsumoto

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Yukihiko Matsumoto

From Wikipedia, the free encyclopedia

Yukihiko Matsumoto (まつもと ゆきひろ, *Matsumoto Yukihiko*, born 14 April 1965), also known as **Matz**, is a Japanese computer scientist and [software programmer](#) best known as the chief designer of the [Ruby programming language](#) and its reference implementation, [Matz's Ruby Interpreter](#) (MRI). His demeanor has brought about a motto in the Ruby community: "Matz is nice and so we are nice," commonly abbreviated as MINASWAN.

As of 2011, Matsumoto is the Chief Architect of Ruby at [Heroku](#), an online cloud [platform-as-a-service](#) in San Francisco. He is a fellow of [Rakuten Institute of Technology](#), a research and development organisation in [Rakuten Inc.](#) He was appointed to the role of technical advisor for [VASILY, Inc.](#) starting in June 2014.^[1]

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Early life [edit]

Born 14 April 1965 (age 55)
Osaka Prefecture, Japan

Nationality Japanese

Other names Matz

Yukihiko Matsumoto
まつもと ゆきひろ
松本 行弘



Yukihiko Matsumoto at the [ACM International Collegiate Programming Contest](#) in Tokyo, 14 March 2007

In other projects

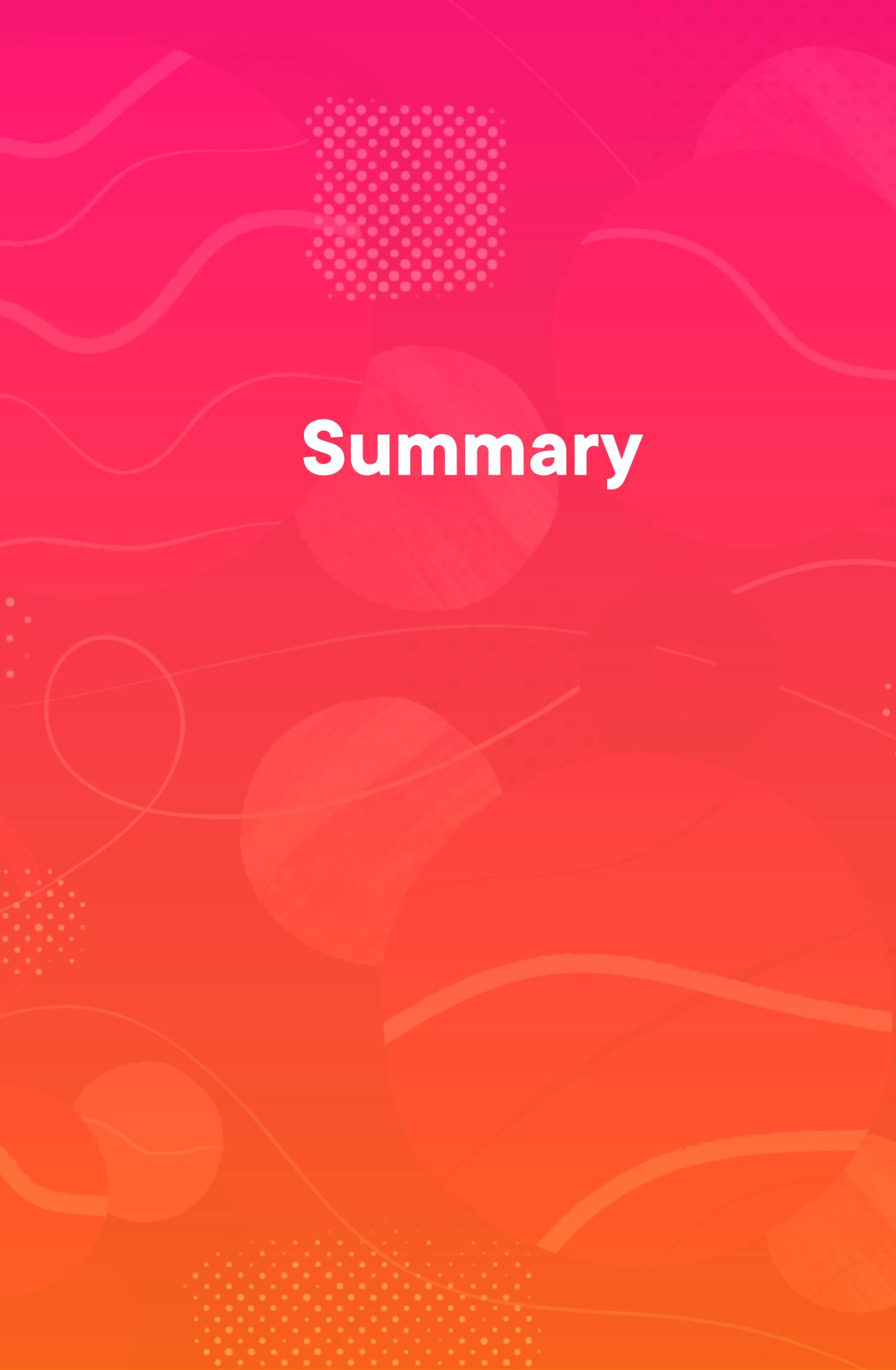
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In other projects



Summary

Interpreters

Libraries

Editors

The community