

Thomas Watson

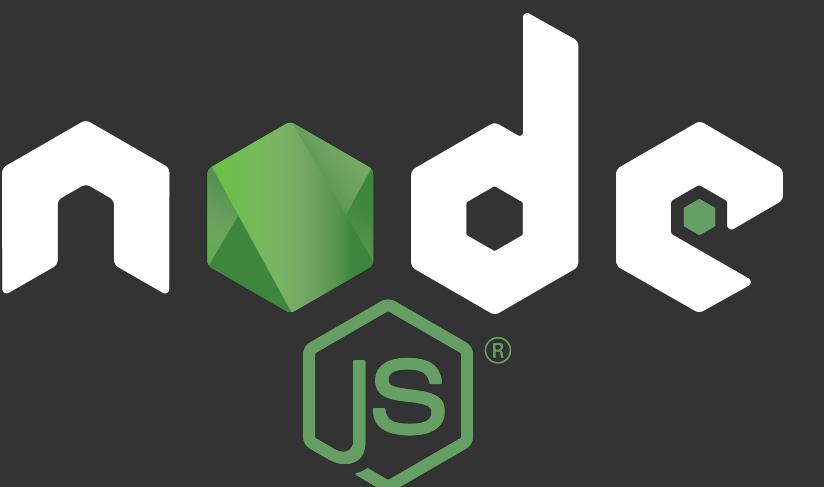
@wa7son

github.com/watson



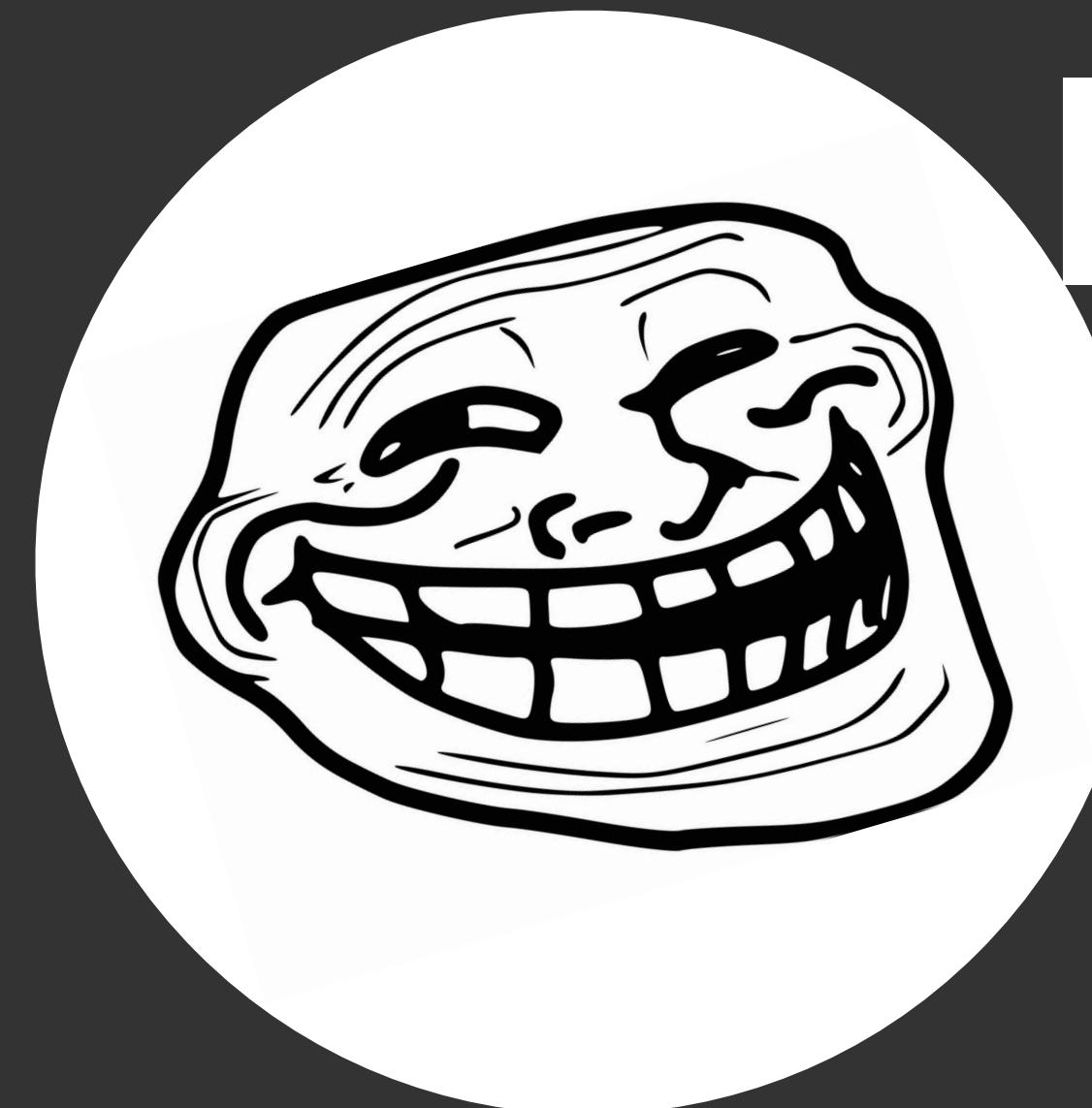
Who am I?

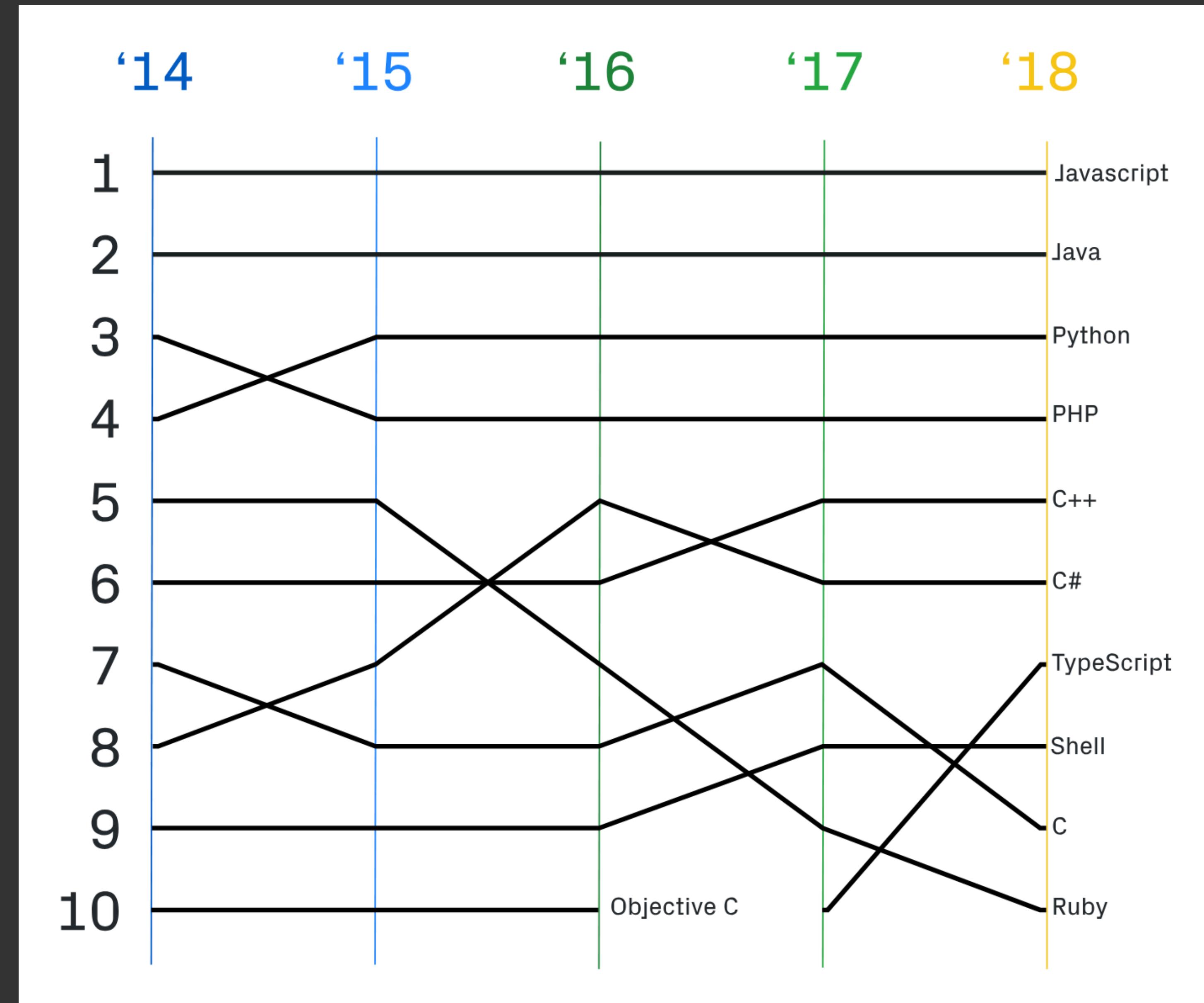
- Thomas Watson
- Open Source developer at github.com/watson
- Principal Software Engineer at Elastic
- Node.js Core Member
- Tweets as @wa7son

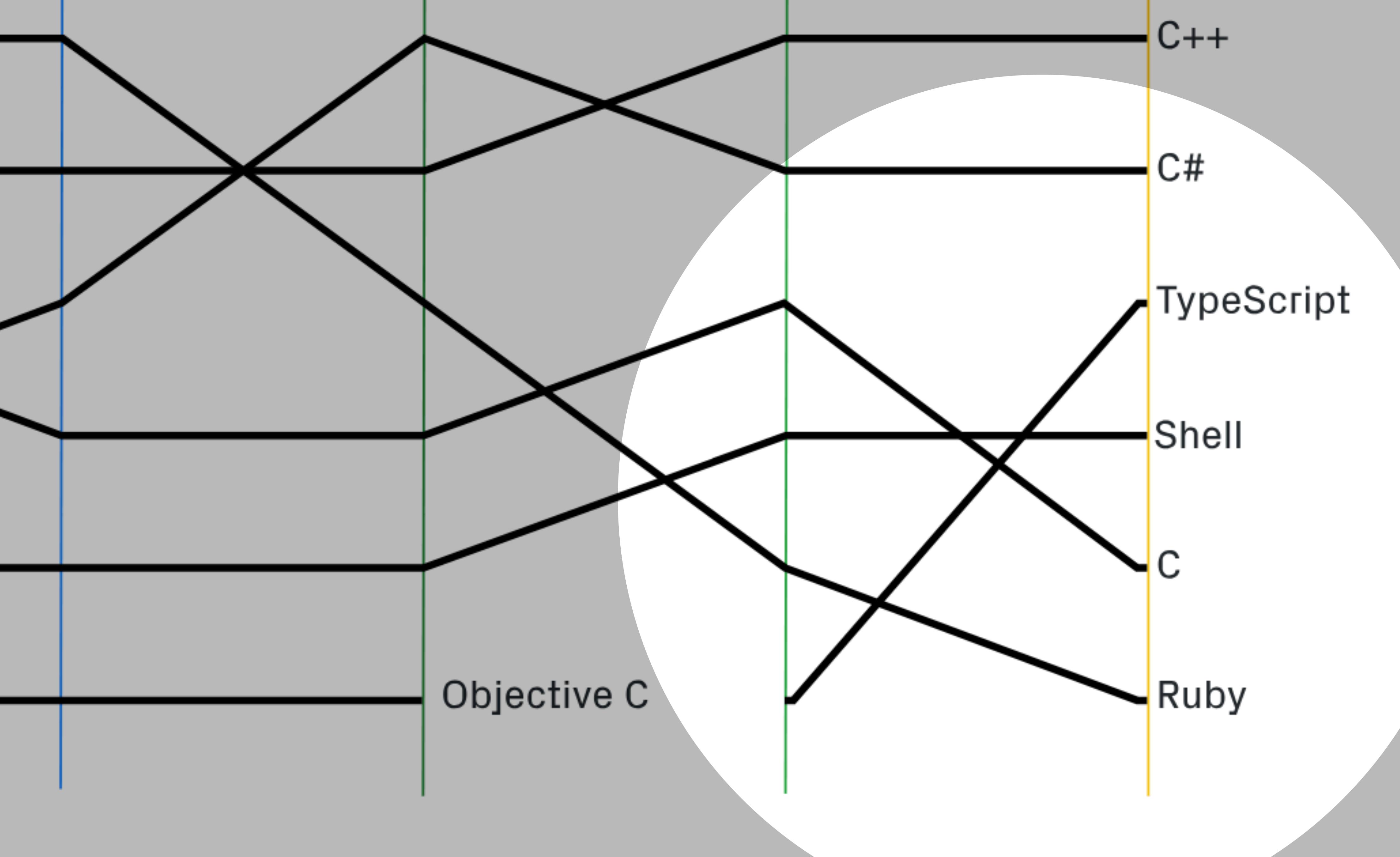


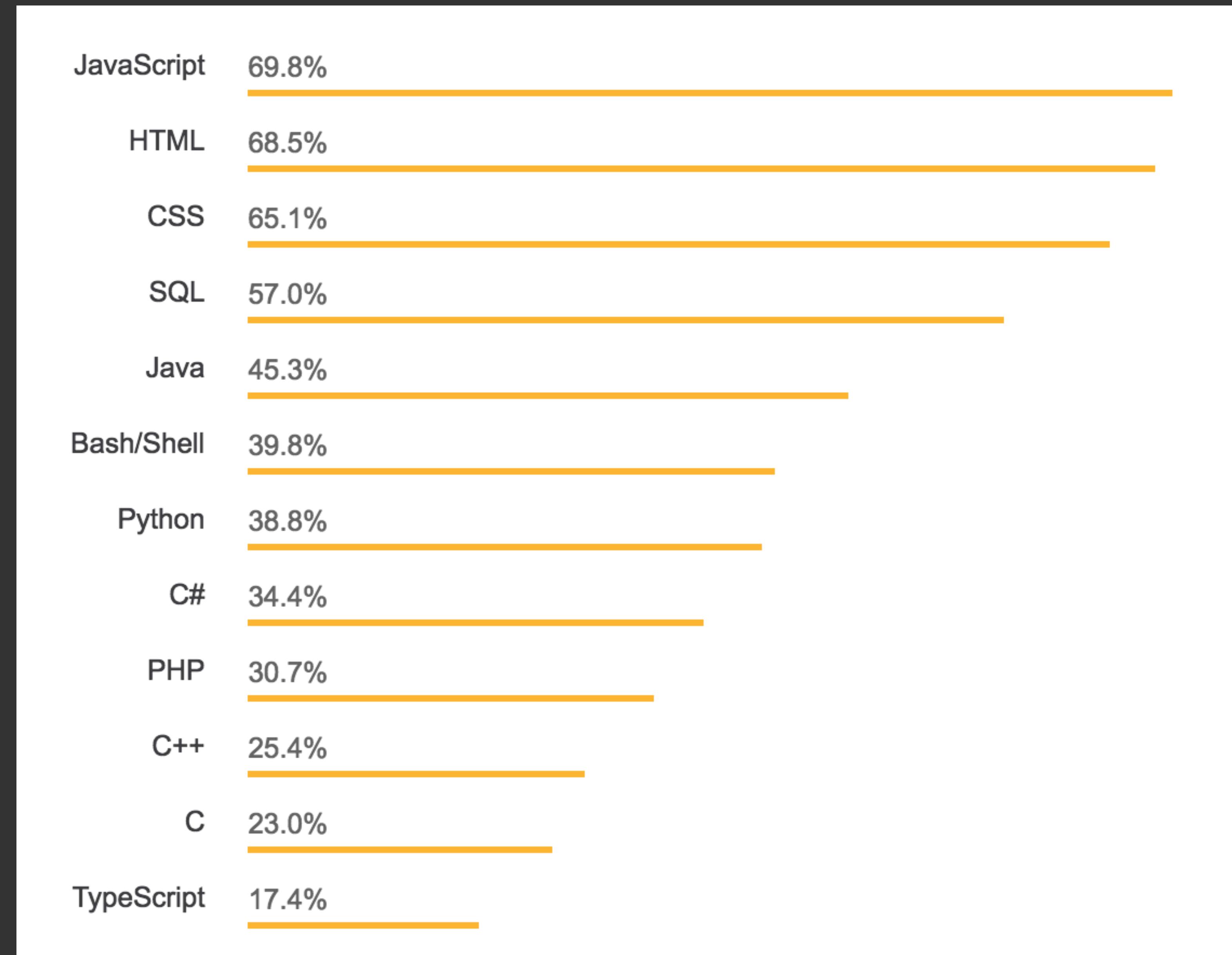
[bit.ly / kcd-slides](https://bit.ly/kcd-slides)

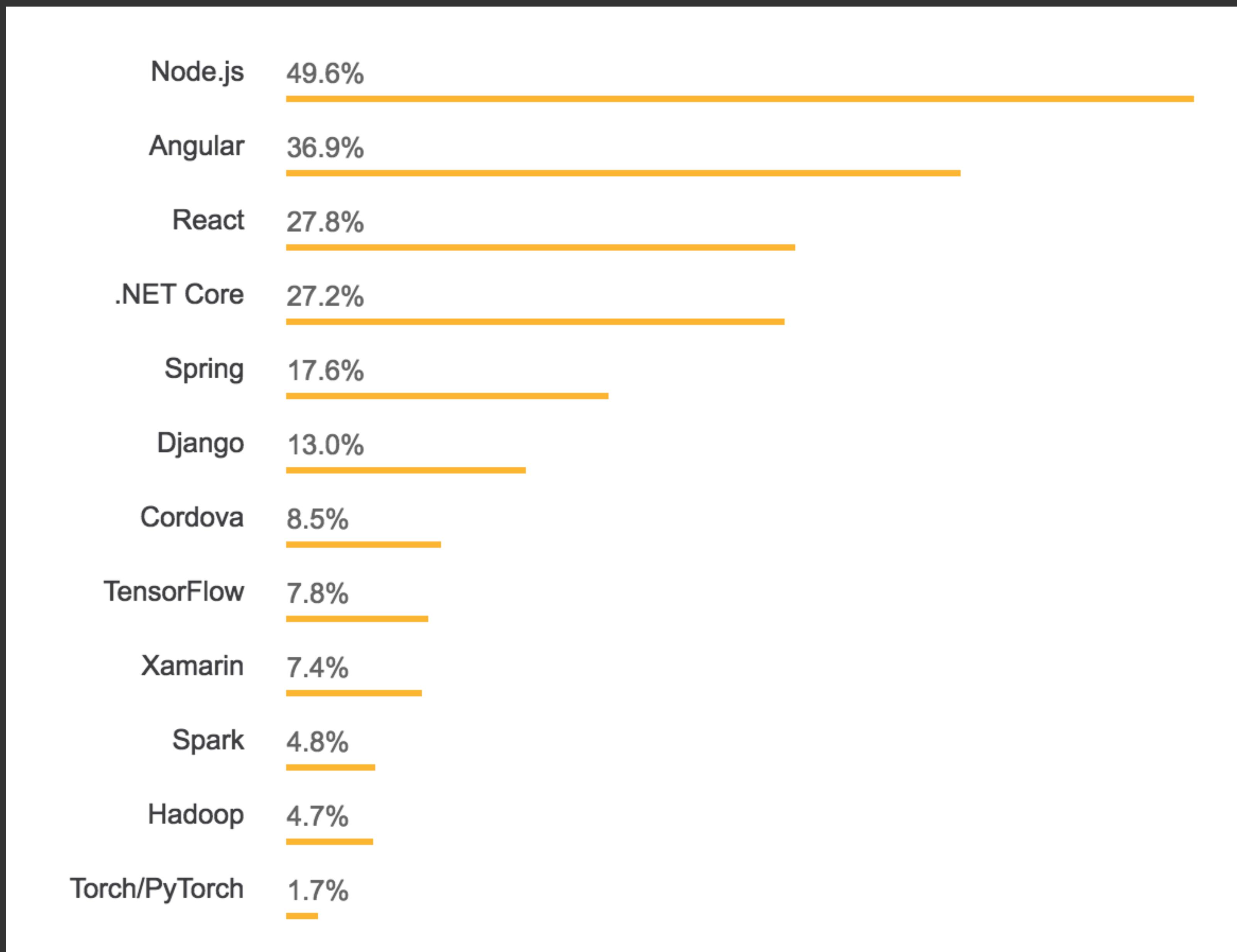
JavaScript is the most
important programming
language in the world

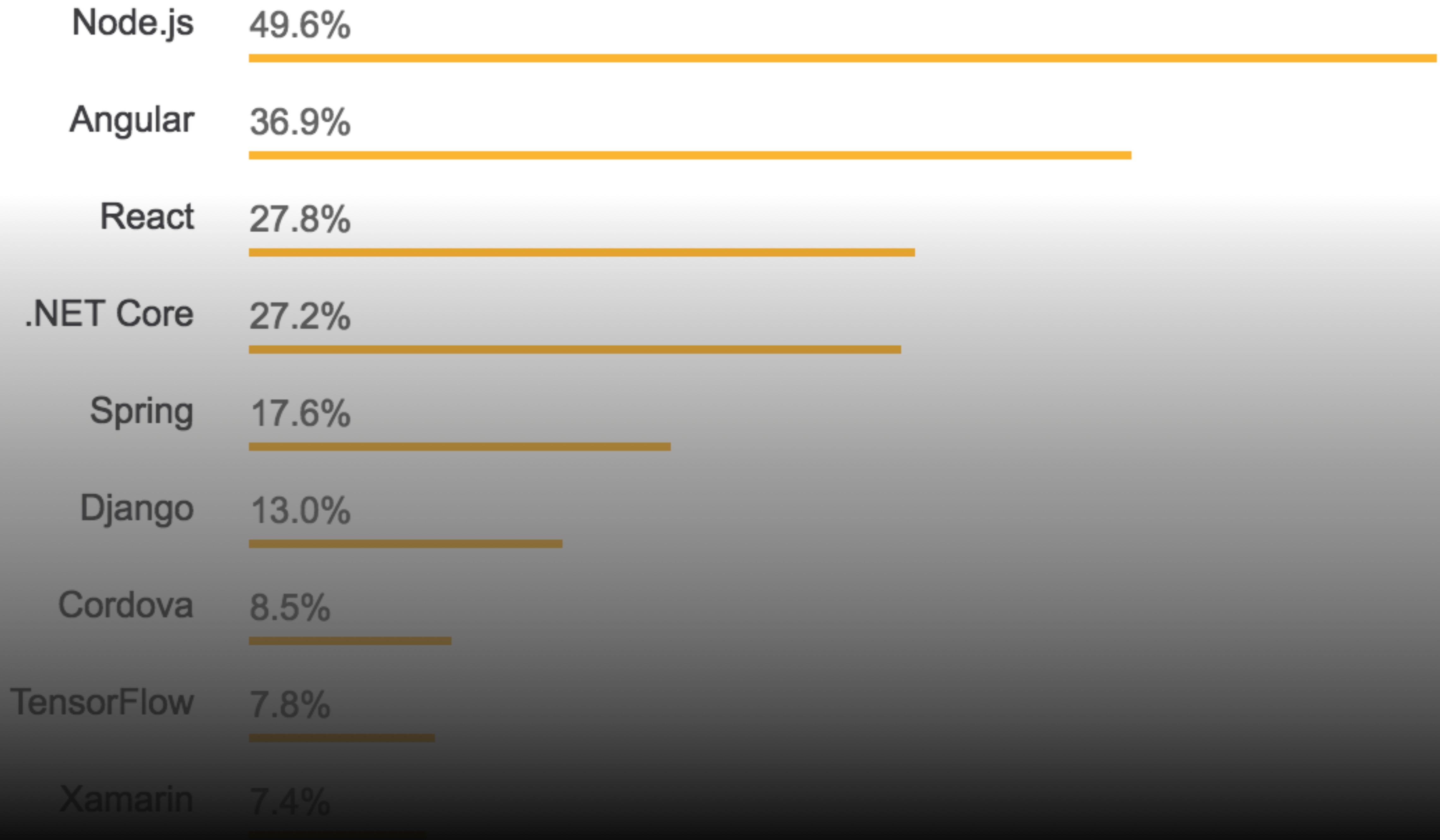


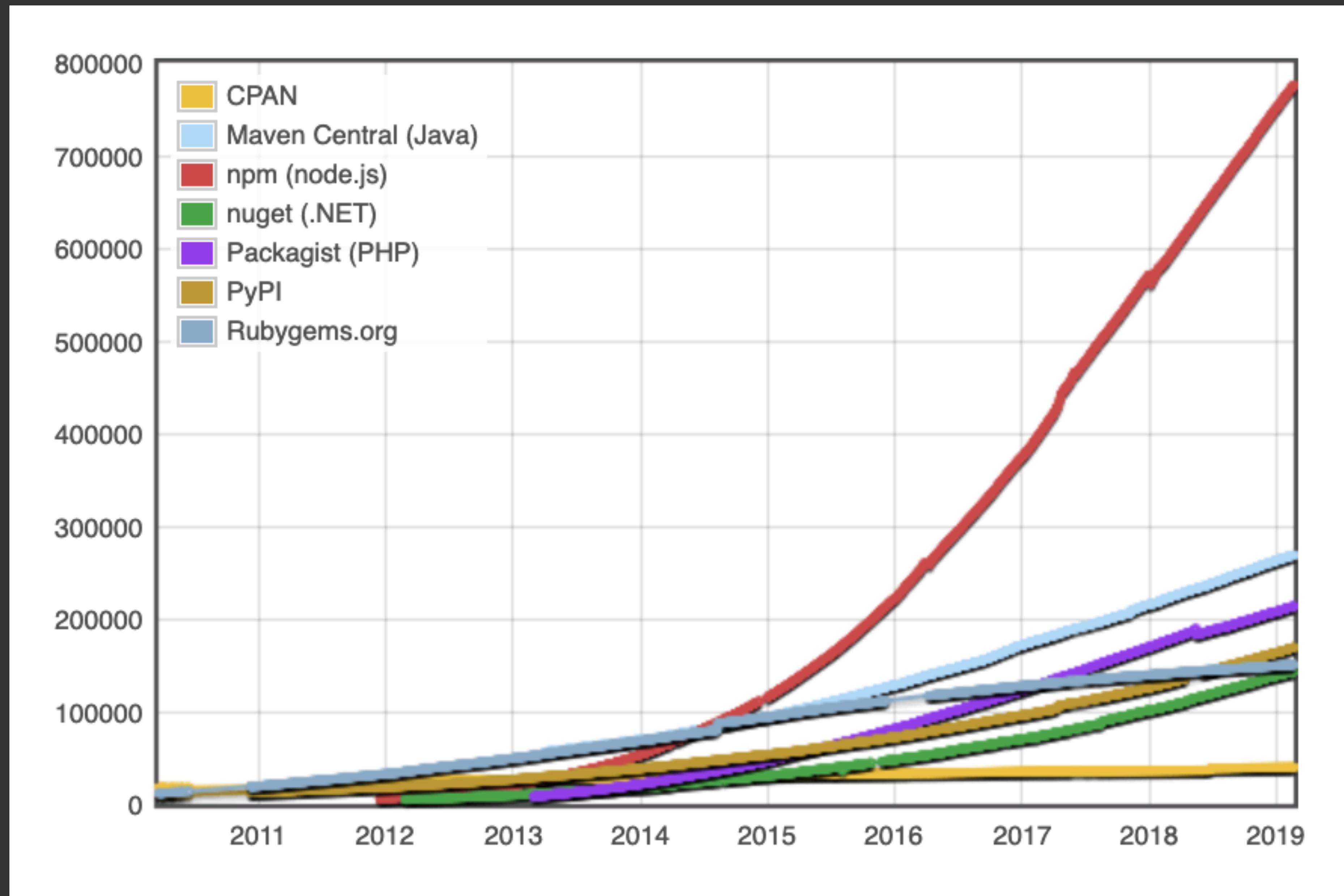


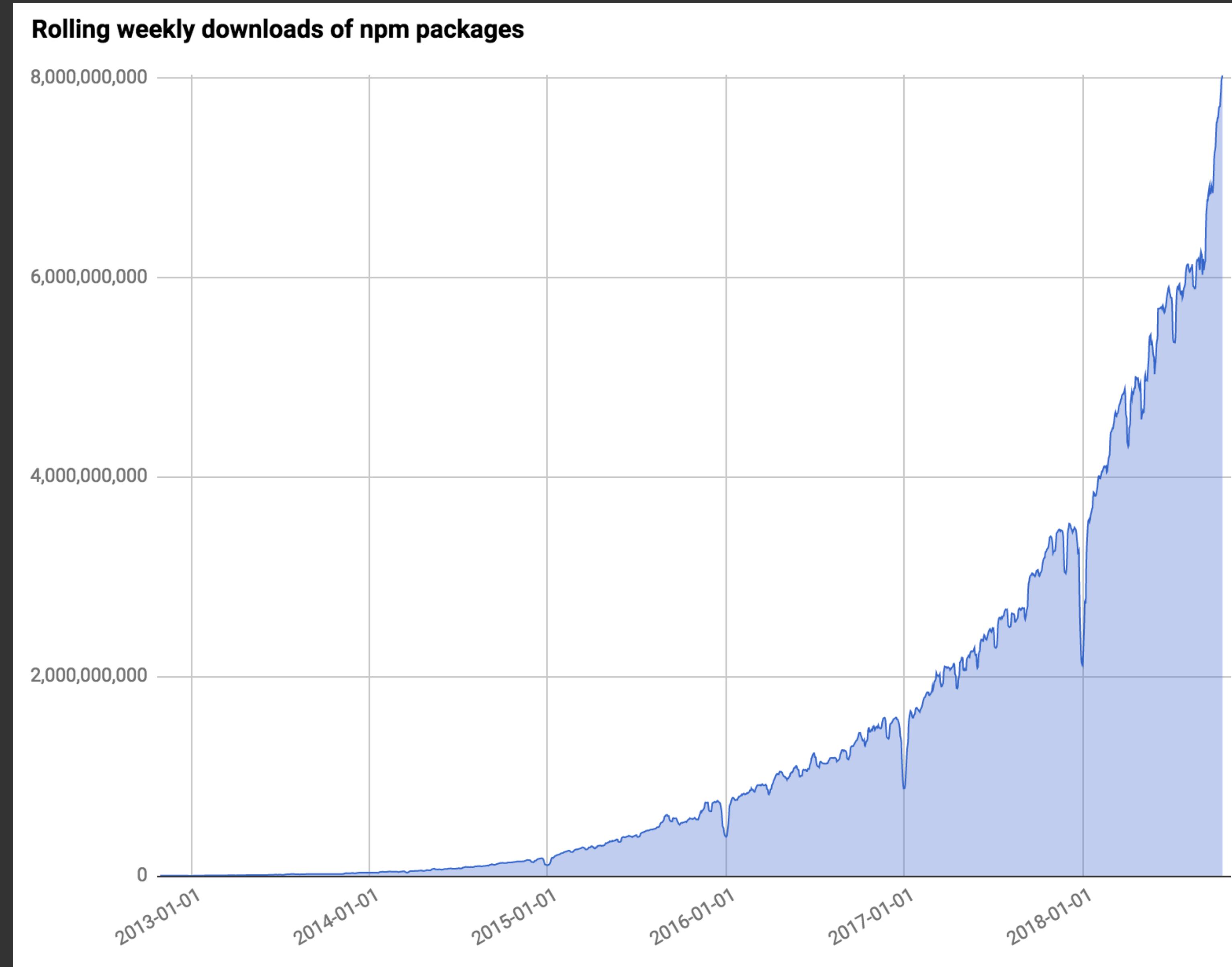








Source: modulecounts.com



Source: npm, Inc.

Once upon a time...

March 9th, 2009

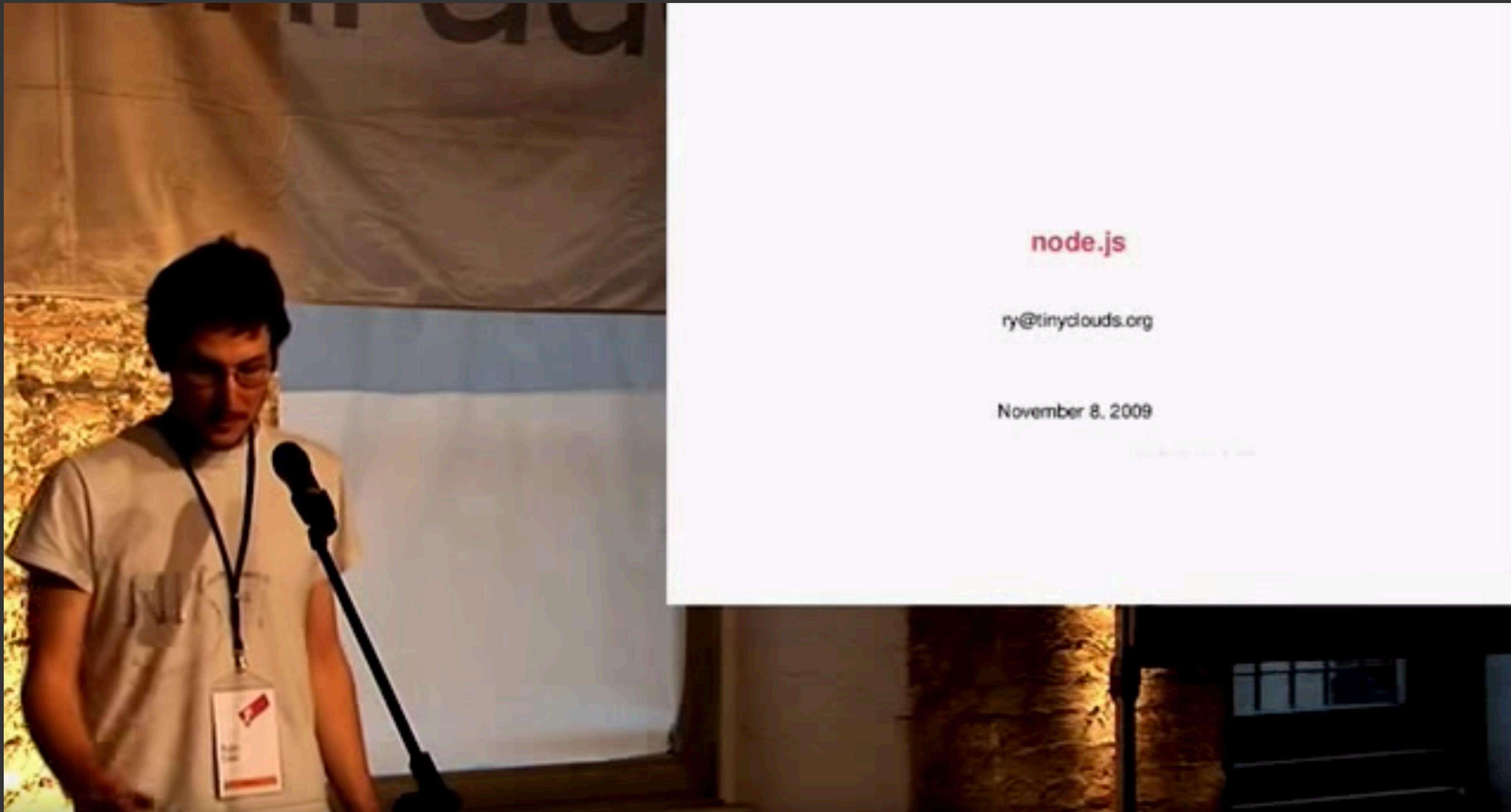
The screenshot shows a GitHub repository page for `nodejs / node-v0.x-archive`. The page includes navigation links for Code, Issues (617), Pull requests (46), and Wiki. A large message box at the bottom contains the text: **Major refactoring: program name now "node"**.

nodejs / **node-v0.x-archive**

<> Code ! Issues 617 Pull requests 46 Wiki

Major refactoring: program name now "node"

November 9th, 2009



node.js

ry@tinyclouds.org

November 8, 2009

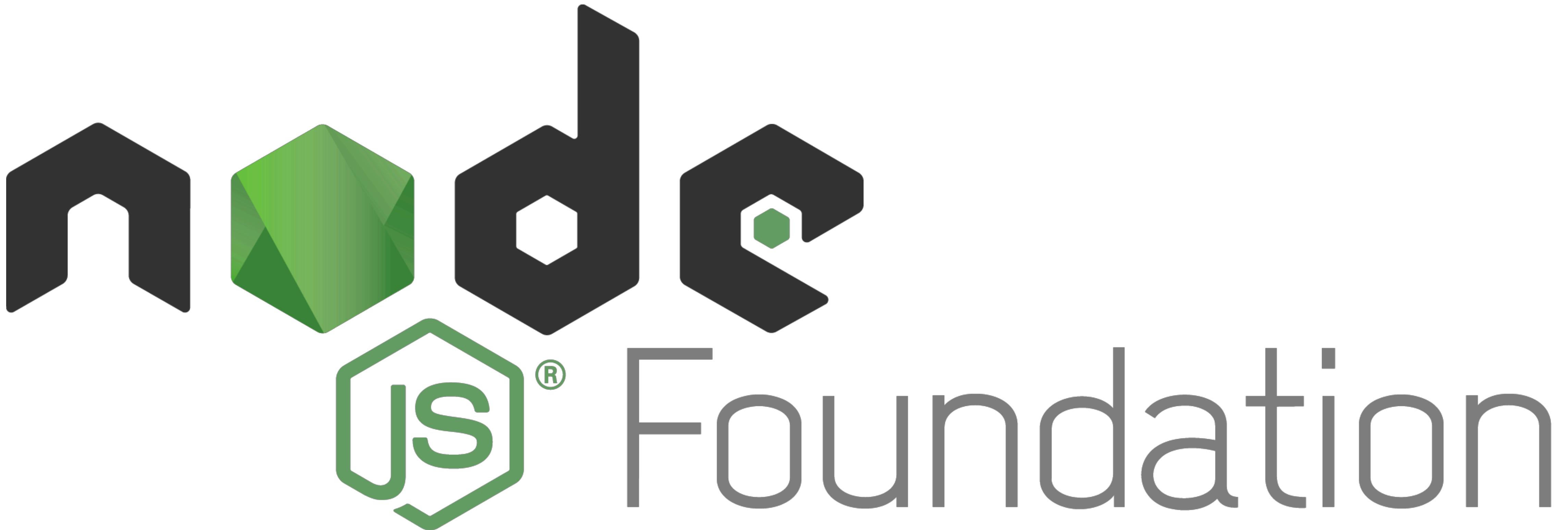
tinyclouds.org



December 2014



June 2015





2,681

contributors

2018

in numbers

4.853

~93 per week

PR's

2.386

~46 per week

issues

4,717

~91 per week

commits landed

26,385

files

2,941,714

additions

1,783,567

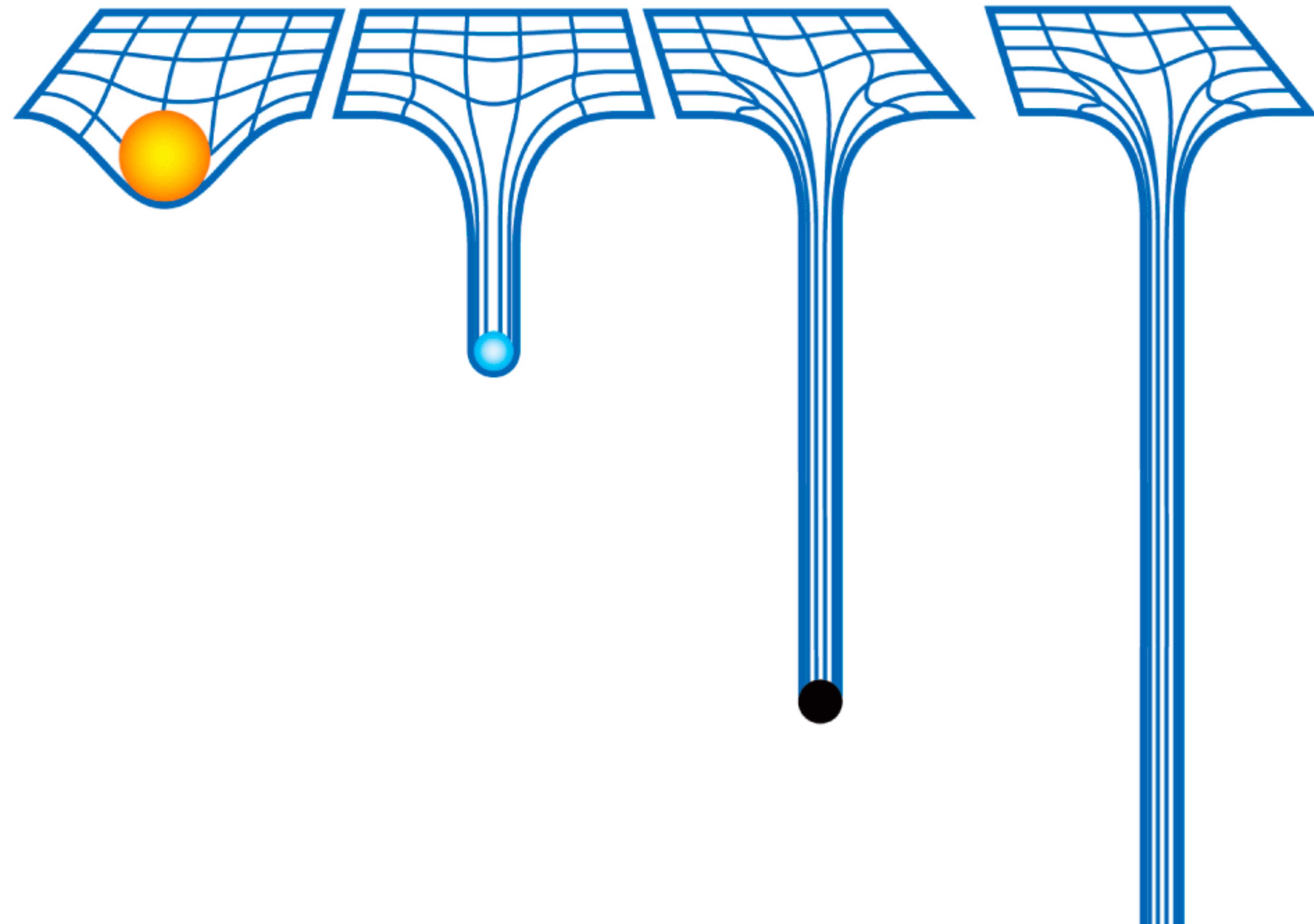
deletions

752

*... of which
581 are new!*

contributors

Sun Neutron star Black hole node_modules



A screenshot of a web browser window showing the npmjs.com profile page for the user "watson".

The browser title bar shows "npm" and the URL "https://www.npmjs.com/~watson". The top navigation bar includes links for "npm Enterprise", "Features", "Pricing", "Docs", and "Support".

The main content area features a profile picture of Thomas Watson, a bio section with "Thomas Watson", and social media links for GitHub (@watson) and Twitter (@wa7son). A red "edit profile" button is at the bottom of this section.

Key statistics are displayed: "228 Packages" (highlighted in purple) and "2 Organizations".

The "Packages" section lists four packages:

- json-loggly**: JSON Loggly integration. Published by **watson** at 0.5.0 • 6 years ago.
- jilo-server**: Logging server. Published by **watson** at 0.1.2 • 6 years ago.
- bonjour**: A Bonjour/Zeroconf implementation in pure JavaScript. Published by **watson** at 3.5.0 • 3 years ago.
- flowhttp-json**: A flowHttp extension used for parsing json HTTP responses. Published by **watson** at 0.1.1 • 5 years ago.

A "Search packages" input field and a "Search" button are located at the top right of the main content area.

A small, colorful illustration of a Mario-like character from the Super Mario Bros. video game series. The character is wearing a red cap and overalls, and is carrying a green pipe on their back.

228 Packages

Packages 228

json-loggly

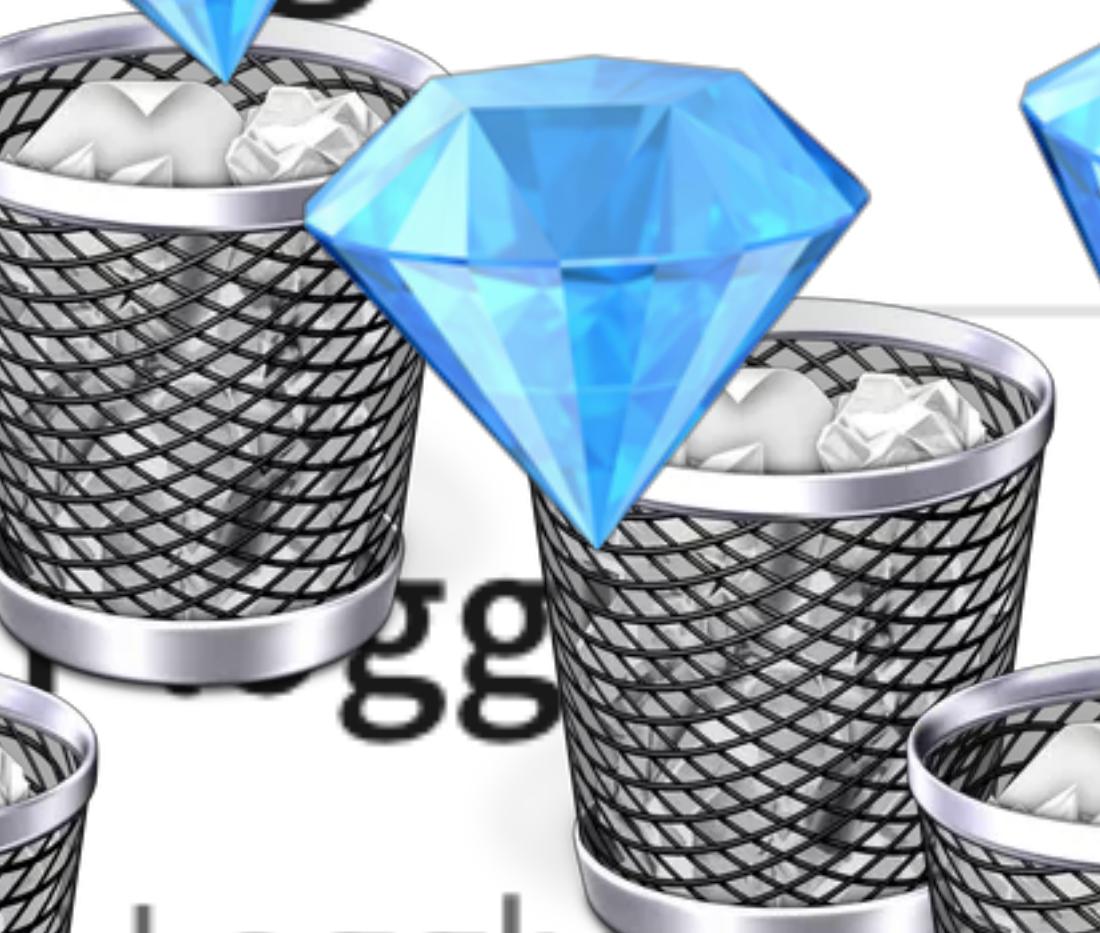
JSON Loggly integration

watson published 0.5.0 • 6 years ago



Packages

228



ison Loggly

Loggly integration



228 packages

Watson publishes 0.5.0 • 6 years ago



Thomas Watson

@wa7son



If you were to highlight one positive thing about the Node.js community to a developer not familiar with it, what would it be?

6:39 PM - 20 Feb 2019

10 Retweets 46 Likes



35

10

46





yosh updates @yoshuawuyts · Feb 20

Replying to @wa7son

It succeeds at making certain complicated topics surprisingly approachable -- having require('http') out of the box that supports streaming req / res feels very empowering!



Wes Todd @wesleytodd · Feb 20

Replying to @wa7son

The strength of the package ecosystem. Its diversity means you can almost always find something which suits your needs, and when you can't it is easy to figure out how to publish your own work.



O(e^n) 🌎 ✈️ 🇮🇹 @NickNaso · 10h

Replying to @wa7son

The people in the community are amazing. Last year was a wonderful experience to me I got involved in N-API team and everyone helped me to do better and I learnt a lot of new things!

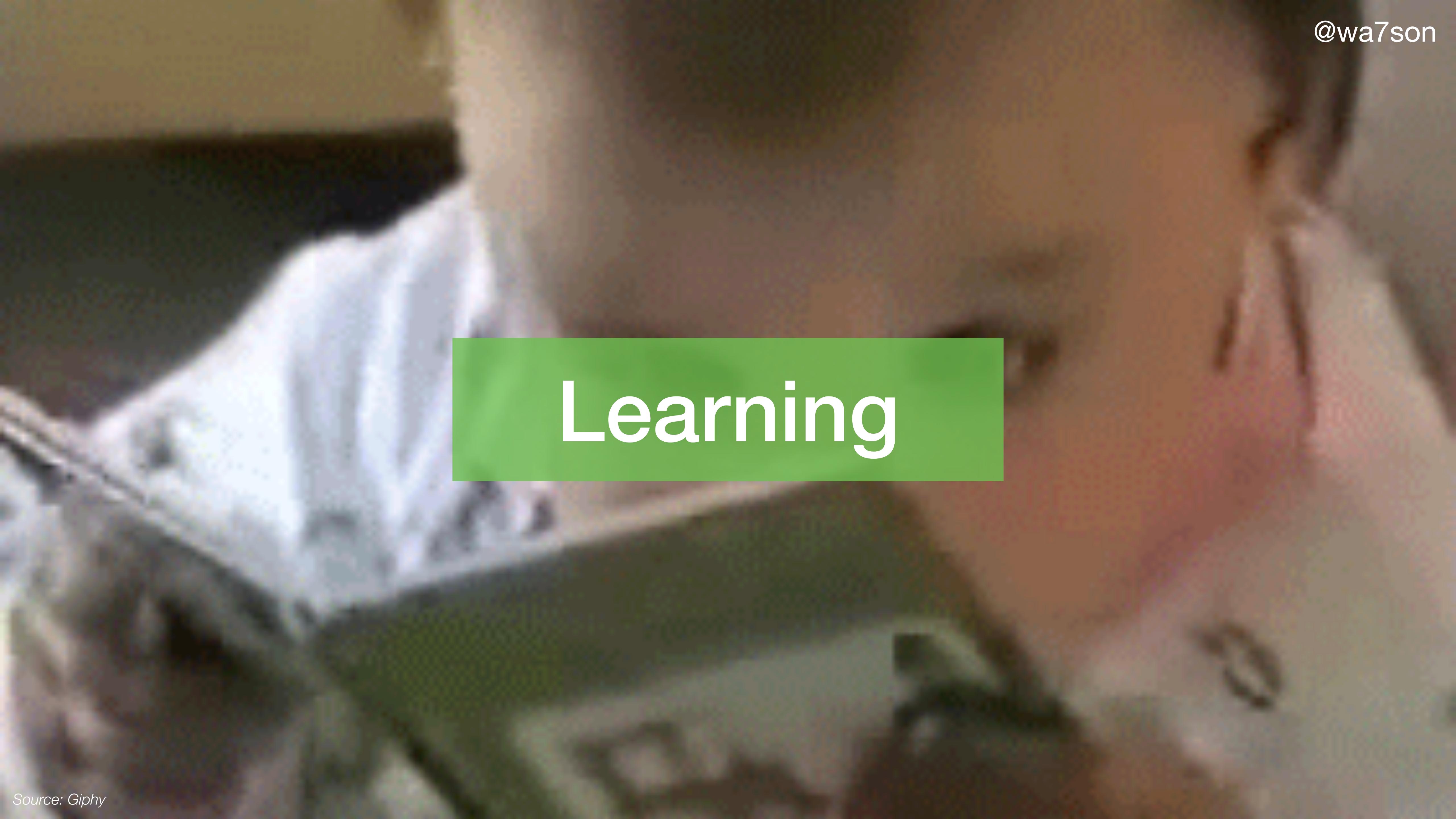


Brad Gardner @bradgardner87 · Feb 20

Replying to @wa7son

Module availability can help you be productive very quickly, and also assist in learning new things by way of checking out how open source packages are built.



A blurred background image of a person sitting at a desk, looking down at a laptop screen with a thoughtful expression.

Learning

nodejs.org / api

The screenshot shows a web browser window with the following details:

- Title Bar:** Shows the title "Index | Node.js v11.10.0 Docum" and a "+" button.
- Address Bar:** Displays the URL "https://nodejs.org/api/".
- Toolbar:** Includes standard browser icons for back, forward, search, and refresh, along with a star icon for bookmarks, a refresh icon, and other utility icons.
- Left Sidebar (Node.js Category Tree):**
 - Node.js**
 - About these Docs
 - Usage & Example
 - Assertion Testing
 - Async Hooks
 - Buffer
 - C++ Addons
 - C/C++ Addons - N-API
 - Child Processes
 - Cluster
 - Command Line Options
 - Console
 - Crypto
 - Debugger
 - Deprecated APIs
 - DNS
- Main Content Area:**

Node.js v11.10.0 Documentation

[Index](#) | [View on single page](#) | [View as JSON](#) | [View another version ▾](#) | [Edit on GitHub](#)

Table of Contents

 - [About these Docs](#)
 - [Usage & Example](#)
 - [Assertion Testing](#)
 - [Async Hooks](#)
 - [Buffer](#)
 - [C++ Addons](#)
 - [C/C++ Addons - N-API](#)
 - [Child Processes](#)
 - [Cluster](#)
 - [Command Line Options](#)
 - [Console](#)
 - [Crypto](#)
 - [Debugger](#)
 - [Deprecated APIs](#)
 - [DNS](#)

freeCodeCamp

The screenshot shows a web browser window displaying the freeCodeCamp website. The URL in the address bar is <https://guide.freecodecamp.org/miscellaneous/get-started-with-nodejs/>. The page title is "Get Started with Nodejs | freeCodeCamp".

The sidebar on the left lists various topics:

- Accessibility
- Agile
- Algorithms
- Android Development
- Angular
- AngularJS
- Apache
- ASP.NET
- Bash
- Blockchain
- Books to Read for Programmers
- Bootstrap
- BSD operating system
- C
- Canvas
- Certifications
- Chef
- Clojure
- Cloud Development
- Computational Genomics
- Computer Hardware

The main content area has a breadcrumb navigation path: [Miscellaneous](#) › [Get Started with Nodejs](#). It contains the following text:

Node.js is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#) enabling JavaScript to be used for server-side programming.

Node.js has become a key part of 'JavaScript Everywhere', encouraging web application development to unify around a single programming language, rather than rely on a different language for writing server side scripts.

Tutorials:

- [NodeSchool.io interactive lessons](#)
- [The Art of Node \(an introduction to Node\)](#)
- [Node.js guide](#)
- [Build a blog with Node.js, express and MongoDB](#)

Books

- [The Node Beginner Book](#)
- [Mastering Node.js](#)
- [Up and Running with Node.js](#)
- [Node Web Development](#)

Courses

- [Real Time Web with Node.js](#)
- [Essential Node.js from DevelopMentor](#)

nodejs.dev

The screenshot shows a web browser window with the URL <https://nodejs.dev> in the address bar. The page features a large Node.js logo at the top left. The main content area has a dark blue gradient background with the heading "# Introduction to Node.js" in white. On the left side, there's a "Quick Start" section with a list of five items, each preceded by a green circular icon. To the right of this list is a "# Overview" section with a descriptive text.

- Introduction to Node.js
- A brief history of Node.js
- How to install Node.js
- How much JavaScript do you need to know to use Node.js?

Overview

Node.js is a runtime environment for JavaScript that runs on the server.

Events

@wa7son



facebook.com / groups / nodejskr

Screenshot of the Facebook group page for "Node.js Korea Public Group".

The browser title bar shows "Node.js Korea Public Group | Facebook". The URL in the address bar is "https://www.facebook.com/groups/nodejskr/".

The left sidebar menu includes:

- Node.js Korea (Public group)
- About
- Discussion** (selected)
- Members
- Events
- Videos
- Photos
- Files

A search bar at the bottom of the sidebar says "Search this group".

The main content area features a large banner image of the Node.js logo against a dark background with a glowing green network graph.

Below the banner are two buttons: "+ Join Group" and "... More". A message below the buttons says "Join this group to post and comment."

The "RECENT ACTIVITY" section shows a post by user "Lika Rea" from February 20 at 11:12 PM, which reads: "익스프레스 질문입니다. rest api 구현하려고 했는데."

Language selection dropdown: English (US) · 日本語 · Español · Português (Brasil) · Français (France) +

Page footer links: Privacy · Terms · Advertising · Ad Choices · Cookies · More · Facebook © 2019

nodeschool.io

The screenshot shows the homepage of nodeschool.io. The page has a yellow hexagonal background pattern. At the top, there is a navigation bar with links to various languages: Bahasa Indonesia, Deutsch, English, Español, Français, Italiano, Norsk, Polski, Português (Brasil), Português (Europeu), Suomi, Svenska, Tiếng Việt, Türkçe, Български, Русский, Українська, فارسی, ภาษาไทย, 日本語, 正體中文, 简体中文, and 한국어. Below the navigation bar is the NodeSchool logo, which consists of three stylized buildings with the word "NODESCHOOL" above them. The text "NODESCHOOL" is written in a bold, sans-serif font. Below the logo, there is a subtitle: "Open source workshops that teach web software skills. Do them on your own or at a workshop nearby." At the bottom of the main section, there are six buttons with the following text: "Tutorials", "Events", "Chapters", "About", "Build", and "Host". A call-to-action text "Get started by installing one of our core workshops." is located at the bottom of the main section. The browser window title is "NodeSchool" and the address bar shows "https://nodeschool.io".

Workshops

These are in-person hosted workshops, usually free, in which workshoppers are used as curriculum and mentors help attendees work through the challenges.

nodetogether.org

The screenshot shows a web browser window with the URL <https://www.nodetogether.org>. The page has a dark background with a bright green header bar. The header contains the *NodeTogether* logo on the left and navigation links for About, Curriculum, Schedule, Apply, Volunteer, and Sponsor on the right. Below the header, a large white cursive "NodeTogether" title is centered. A green sub-header "Welcome! We're glad you are here!" follows. Below this, a paragraph explains the initiative's purpose: "NodeTogether is an initiative to improve the diversity of the Node community by bringing people of underrepresented groups together to learn Node.js." It also mentions the sponsors: "NodeTogether is brought to you by [npm](#) and the [Node.js Foundation](#)". At the bottom, a partial quote reads: "We have learned from countless stories of students and mentors that our tech community loses many beginners to difficulties in the initial setup. NodeTogether seeks to make that experience better by pairing students with mentors who are".

NodeTogether

About Curriculum Schedule Apply Volunteer Sponsor

NodeTogether

Welcome! We're glad you are here!

NodeTogether is an initiative to improve the diversity of the Node community by bringing people of underrepresented groups together to learn Node.js.

NodeTogether is brought to you by [npm](#) and the [Node.js Foundation](#).

We have learned from countless stories of students and mentors that our tech community loses many beginners to difficulties in the initial setup. NodeTogether seeks to make that experience better by pairing students with mentors who are

Code & Learn

A screenshot of a web browser window displaying the Node.js 'Code + Learn' page. The browser interface includes a title bar with window controls, a tab labeled 'Code + Learn | Node.js', a back/forward navigation bar, a URL bar with the address 'https://nodejs.org/en/get-involved/code-and-learn/', and a toolbar with various icons.

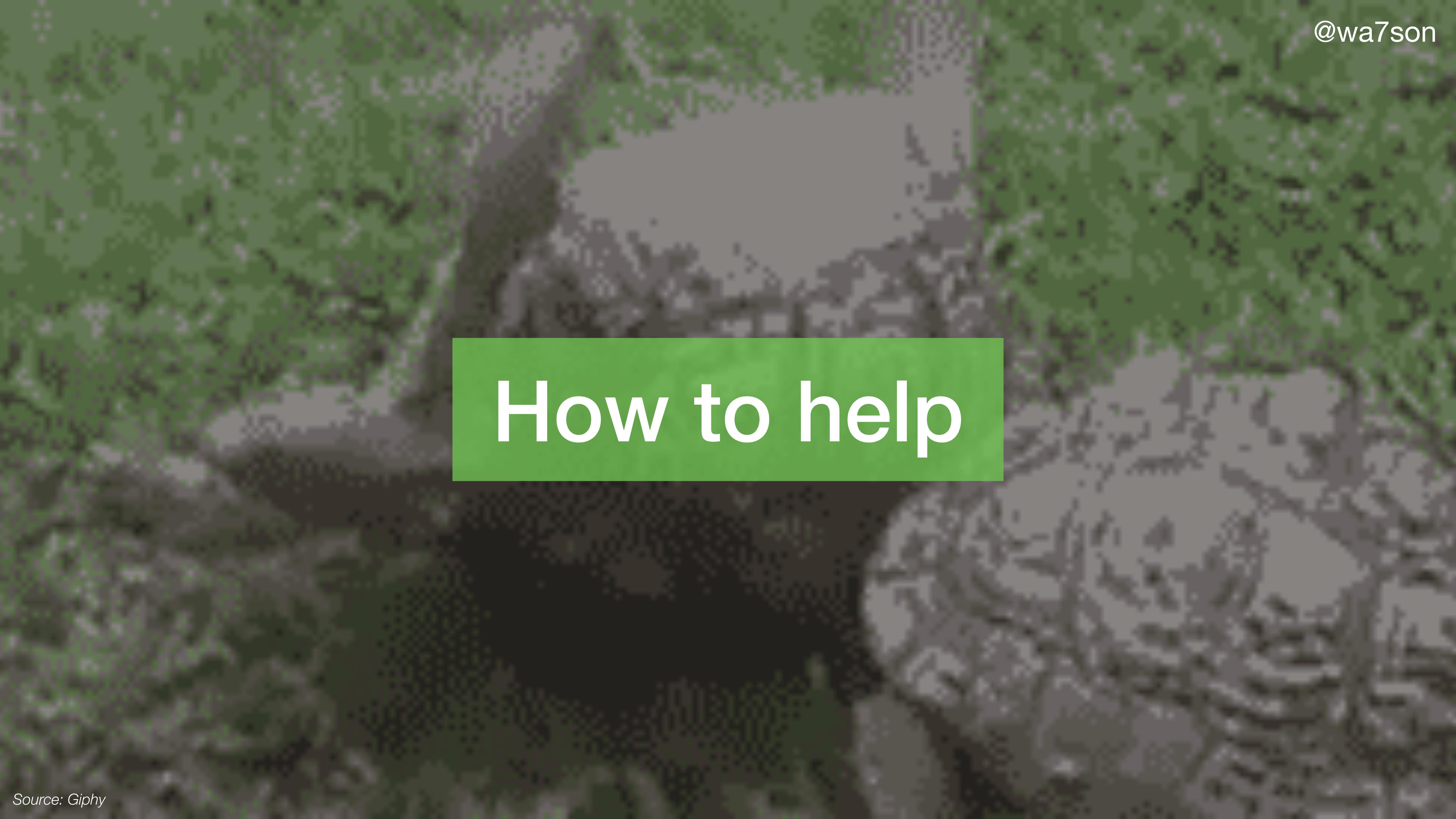
The main content area features the Node.js logo at the top center. Below the logo is a navigation bar with links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, NEWS, and FOUNDATION. The 'FOUNDATIONS' link is highlighted with a green background.

On the left side, there is a sidebar under the heading 'Get Involved' with the following links: Collab Summit, Contribute, Code of Conduct, Node.js Meetups, Node.js Events, and Node.js Speakers. The 'Code + Learn' link is highlighted with a green background.

The main content area has a heading 'Code + Learn' and a 'Edit on GitHub' link. The text describes 'Code & Learn' events as allowing users to get started with Node.js core contributions, with experienced contributors guiding them through their first commit or providing impromptu guided tours.

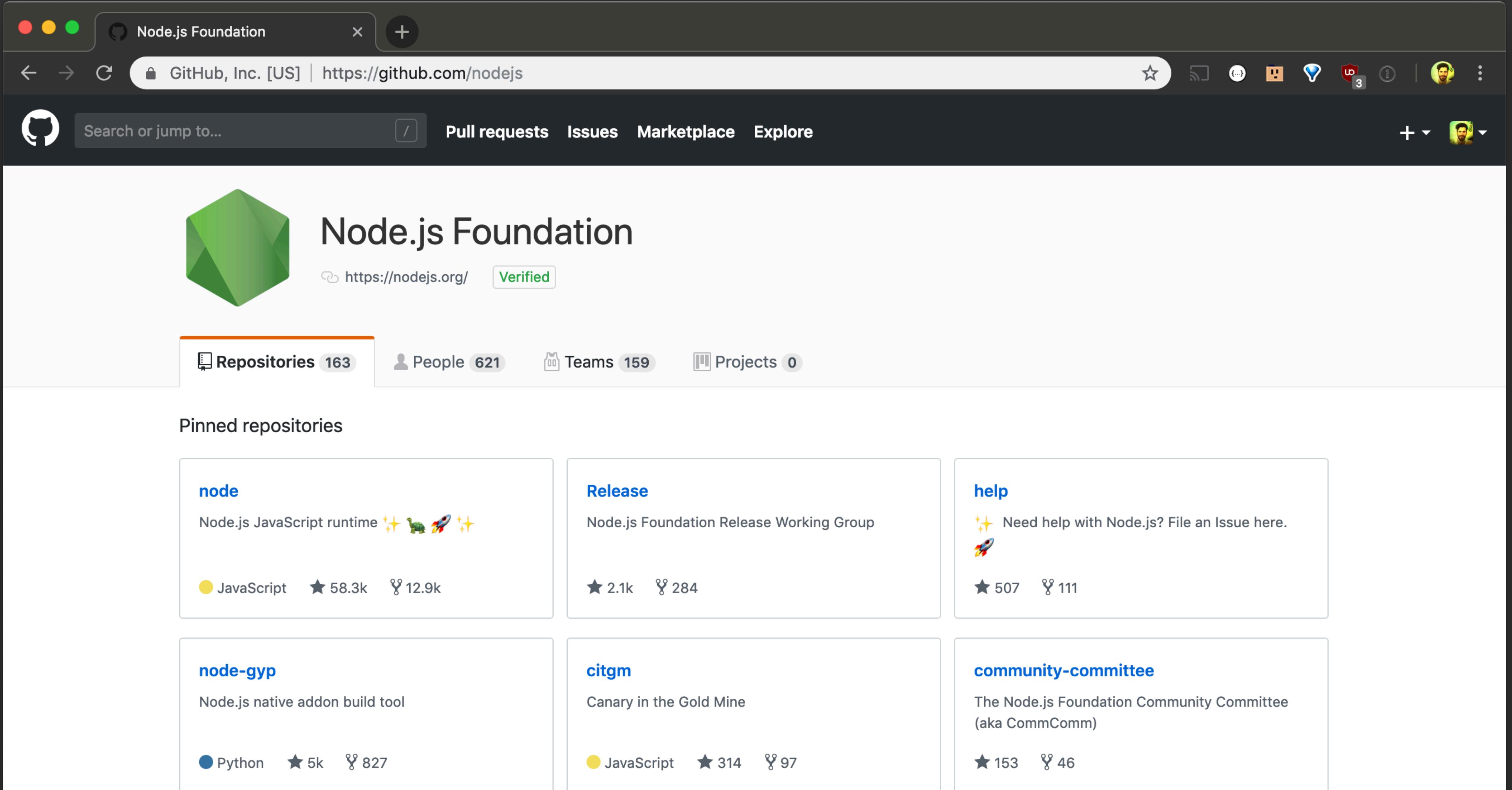
Below this, there is a section titled 'Upcoming Code + Learn Events' with a bullet point: '• Medellin, Colombia in June 21st & 22nd [NodeConfCo](#)'.

At the bottom, there is a section titled 'Past Code + Learn Events' with two bullet points: '• Bangalore, India at [Node.js - Code & Learn Meetup](#): November 17, 2018' and '• Kilkenny, Ireland at [NodeConfEU](#): November 4, 2018'.



How to help

github.com / nodejs



A screenshot of a web browser displaying the GitHub repository page for the Node.js Foundation. The title bar shows the URL as <https://github.com/nodejs>. The page header includes the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. A large green hexagonal icon represents the Node.js logo. Below the header, a banner for the Node.js Foundation is displayed, featuring the URL <https://nodejs.org/> and a 'Verified' badge. The main content area shows pinned repositories: 'node', 'Release', 'help', 'node-gyp', 'citgm', and 'community-committee'. Each repository card includes its name, description, programming language, star count, and fork count.

Node.js Foundation

https://nodejs.org/ Verified

Repositories 163 People 621 Teams 159 Projects 0

Pinned repositories

node
Node.js JavaScript runtime 🎉🐢🚀🎉
JavaScript ⭐ 58.3k ⛡ 12.9k

Release
Node.js Foundation Release Working Group
⭐ 2.1k ⛡ 284

help
Need help with Node.js? File an Issue here.
🚀
⭐ 507 ⛡ 111

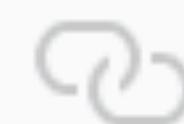
node-gyp
Node.js native addon build tool
Python ⭐ 5k ⛡ 827

citgm
Canary in the Gold Mine
JavaScript ⭐ 314 ⛡ 97

community-committee
The Node.js Foundation Community Committee (aka CommComm)
⭐ 153 ⛡ 46



Node.js Foundation



<https://nodejs.org/>

Verified

Repositories 163

People 621

Team

Pinned repositories

node

Node.js JavaScript runtime



github.com /
nodejs /
node

github.com /
nodejs /
nodejs.org

github.com /
nodejs /
website-redesign

github.com /
nodejs /
i18n

github.com / nodejs / nodejs-ko

The screenshot shows a GitHub repository page for the Korean localization of Node.js. The repository name is `nodejs/nodejs-ko`. The page includes a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Key statistics shown are 1,014 commits, 3 branches, 0 releases, 28 contributors, and a license link. A green "Clone or download" button is visible. The main content area displays a list of recent commits, including:

- freenice12 and outsideris translate v11.10.0 (#808) ... Latest commit 8052633 21 hours ago
- bin Translates security release news (#438) 2 years ago
- scaffolds Init hexo 3 years ago
- source translate v11.10.0 (#808) 21 hours ago
- themes/landscape Specify lang as Korean 2 years ago
- .gitignore Init hexo 3 years ago
- .lambci.json chore: Use nave to build it a year ago

nodejs.github.io / nodejs-ko

The screenshot shows a web browser window with the following details:

- Address Bar:** https://nodejs.github.io/nodejs-ko/
- Page Title:** Node.js 한국 커뮤니티
- Header:** Home Archives
- Logo:** The Node.js logo, featuring the word "node" in white with a green hexagon icon above it, and "JS" in a smaller white hexagon below it.
- Title:** Node.js 한국 커뮤니티
- Description:** Node.js 관련 소식, 정보, 글 등을 한국어로 번역해서 공유합니다.
- Footer (Left):** 2019-01-18 · ARTICLES
Node v11.7.0(현재 버전)
작성자: Myles Borins
원문: Node v11.7.0 (Current)
번역: freenice12
- Footer (Right):** MENU
Home
번역 참여 가이드
소개
글 모음
주간 뉴스
보관함
GitHub project

gitter.im / nodejs / nodejs-ko

The screenshot shows a Gitter.im interface for the `nodejs/nodejs-ko` channel. The left sidebar features icons for Communities, Node.js, Home, and All Rooms. The main area displays a list of messages from users like `JeongHoon Byun (aka Outsider) @outsideris` and `KimVuu @KimVuu`. The right sidebar includes sections for People (with an 'ADD' button and 'SEE ALL (194 PEOPLE)' link), Repo Info, and Activity.

WE'RE HIRING!

nodejs/nodejs-ko NodeJS 한국 커뮤니티

COMMUNITIES

NODEJS

Home

ALL ROOMS

ACTIVITY

PEOPLE **REPO INFO**

ADD **SEE ALL (194 PEOPLE)**

JeongHoon Byun (aka Outsider) @outsideris 활발한 채널은 아니긴 합니다 ㅎㅎ Jan 04 14:55

KimVuu @KimVuu 이런.... Jan 04 14:56

KimVuu @KimVuu (궁금) node js 로 현재 열려있는 창을 컨트롤 할 수 있나요? 예를들어 크롬창에 width를 줄인다거나.... vs code 창을 닫거나 등등.. Jan 04 15:03

JeongHoon Byun (aka Outsider) @outsideris 그건 OS 레벨이라서 macos 같은 경우는 JAX를 쓰면 어느정도 할 수 있습니다. Jan 04 15:15

KimVuu @KimVuu 음.. JAX를 찾아서 공부해봐야겠네요 감사합니다 Jan 04 15:15

JeongHoon Byun (aka Outsider) @outsideris OS에서 제어권을 줘야하는거라 제약이 꽤 있는 걸로 알고 있고 JAX는 애플이 별로 신경쓰지 않는지 전에 봤을때는 문서가 별로 없었습니다. 애플스크립트나 macos의 Automator를 같이 보셔도 좋을 것 같습니다. Jan 04 15:16

KimVuu @KimVuu 오옷 감사합니다 ^^ Jan 04 15:17

Ryan Valenzuela Alvar @alvar_ryan_twitter Ffb Jan 18 18:09

KimVuu @KimVuu Jan 22 11:02

outsideris labeled #802 Feb 01

outsideris opened #802 Feb 01

outsideris labeled #801 Feb 01

outsideris opened #801 Feb 01

yous opened #800 Jan 26

yous labeled #799 Jan 26

yous opened #799 Jan 26

[Filters ▾](#) is:open is:issue label:"good first issue"

Labels

Milestones

New issue

[X Clear current search query, filters, and sorts](#) ⓘ 8 Open ✓ 255 Closed

Author ▾

Projects ▾

Labels ▾

Milestones ▾

Assignee ▾

Sort ▾

- | | | | | | |
|--|-----------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> ⓘ Vary: Accept-Encoding missing in zlib examples | doc | good first issue | help wanted | zlib | 4 |
| #25495 opened on Jan 15 by nigoroll | | | | | |
| <input type="checkbox"/> ⓘ doc: list the stability status of each API in one place? | doc | good first issue | | | 12 |
| #23723 opened on Oct 18, 2018 by joyeecheung | | | | | |
| <input type="checkbox"/> ⓘ module: createRequireFromPath documentation is incorrect | doc | good first issue | help wanted | module | 12 |
| #23710 opened on Oct 17, 2018 by gillesdemey | | | | | |
| <input type="checkbox"/> ⓘ fs.rename doesn't work as documented | doc | fs | good first issue | libuv | 7 |
| #21957 opened on Jul 24, 2018 by TanninOne | | | | | |
| <input type="checkbox"/> ⓘ No DNS Search Domain support in C-Ares calls | C++ | cares | dns | feature request | good first issue |
| #17850 opened on Dec 25, 2017 by Mickael-van-der-Beek | | | | | 8 |
| <input type="checkbox"/> ⓘ doc: how to use advanced features of `configure` on Windows | build | doc | good first issue | windows | 8 |
| #17331 opened on Nov 27, 2017 by refack | | | | | |
| <input type="checkbox"/> ⓘ doc: guide/topic on how to use streams | doc | good first issue | stream | | 9 |
| #8646 opened on Sep 18, 2016 by mcollina | | | | | |
| <input type="checkbox"/> ⓘ fs: expose scatter/gather syscalls writev() and readv() | C++ | feature request | fs | good first issue | mentor-available |
| #2298 opened on Aug 4, 2015 by reqshark | | | | | 9 |

ProTip! Type [g](#) [i](#) on any issue or pull request to go back to the issue listing page.

y Mickael-van-der-Beek

All features of `configure` on Windows

build

doc

good

/ refack

to use streams

doc

good first issue

stream

/ mcollina

syscalls writev() and readv()

C++

feature request

fs

g

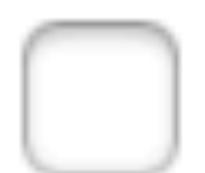
reqshark

#17331 opened on Nov 27, 2017 by refack



① doc: guide/topic on how to use streams

#8646 opened on Sep 18, 2016 by mcollina



① fs: expose scatter/gather syscalls writev

mentor-available

#2298 opened on Aug 4, 2015 by reqshark



ProTip! Type

github.com /
nodejs /
package-maintenance

github.com /
nodejs /
community-committee

github.com /
nodejs /
user-feedback

github.com /
nodejs /
outreach

My First PR

A screenshot of a GitHub pull request page for the `nodejs / node` repository. The pull request is titled `doc: simplify process.memoryUsage() example code` and is labeled `Closed`. It shows 1 commit from `watson:patch-1` merged into `nodejs:master`. The page includes sections for Conversation (4), Commits (1), Checks (0), and Files changed (1). A checklist and affected core subsystem(s) are also present. On the right, there are sections for Reviewers and Assignees.

GitHub, Inc. [US] | https://github.com/nodejs/node/pull/9560

nodejs / node

Pull requests Issues Marketplace Explore

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doc: simplify process.memoryUsage() example code #9560

Closed watson wants to merge 1 commit into nodejs:master from watson:patch-1

Conversation 4 Commits 1 Checks 0 Files changed 1 +1 -3

watson commented on Nov 12, 2016

Checklist

- make `-j8 test` (UNIX), or `vcbuild test nosign` (Windows) passes
- tests and/or benchmarks are included
- documentation is changed or added
- commit message follows commit guidelines

Affected core subsystem(s)

Reviewers

- silverwind
- MylesBorins
- Trott
- addaleax
- cjihrig

Assignees

No one—assign yourself

My First PR

4 4 doc/api/process.md

@@ -1182,9 +1182,7 @@ of the Node.js process measured in bytes.

1182 1182 For example, the code:

1183 1183

1184 1184 ``js

1185 - const util = require('util');

1186 -

1187 - console.log(util.inspect(process.memoryUsage()));

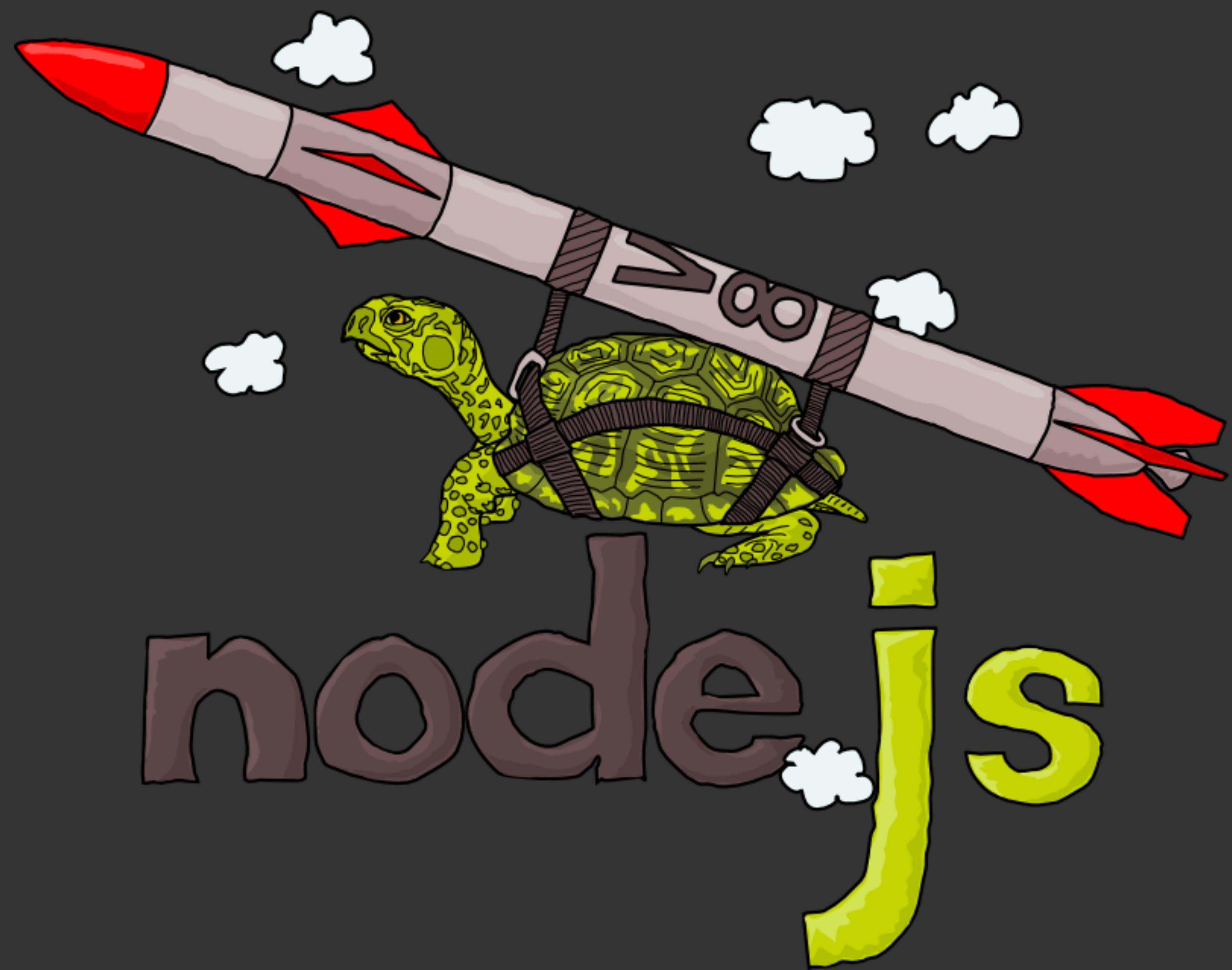
1185 + console.log(process.memoryUsage());

1188 1186 ``

1189 1187

1190 1188 Will generate:

@@ -1182,9 +1182,7 @@ of the Node.js process measured in bytes.





고맙습니다
남은 컨퍼런스도 즐기시기 바랍니다.