



The compiler for writing next generation JavaScript.

[travis](#) passing [circle](#) passing [coverage](#) 84% [slack](#) 40/6337 [downloads](#) 8M/month

## Maintaining an OSS Project: Babel

Henry Zhu

goals: bring awareness on what OSS maintenance is like (although just one person's experience), share my story of how I got started in OSS (may seem pretty random/lucky to an outsider), OSS should be more than simply trying to gain new contributors but to make it sustainable (not in terms of money but people's health)



intro about me

intro to open source

becoming a maintainer?

story: github issues

story: npm packages squatting

story: guy fieri

sustainability



- short intro about me
- board games! Still haven't played the babel expansion for 7 wonders



- love that korean BBQ, took Sean to get some for the first time



OSS addict, ^ github contribution graph

~~Contribute to OSS!~~

~~Become a maintainer!~~

Point of the talk isn't to just convince people to get involved in OSS, or become a maintainer. Just want to talk about my experience in OSS and some stories along the way, and maybe that's interesting

```
74 const templateVisitor = {  
75   // 360  
76   noScope: true,  
77  
78   enter(path, args) {  
79     let { node } = path:
```

## Intro to Open Source

so how did I get started?



I grew up around Atlanta, GA in the US; my first real exposure to Javascript and open source was through hackathons

[unmaintained](#) [Manage topics](#)

## WholsOk

### WhoIsOk

Local Date & Time of Disaster: 2010-12-04 17:00

[Submit Query](#)

Friends who have responded



**eltacodeldiablo** hi test

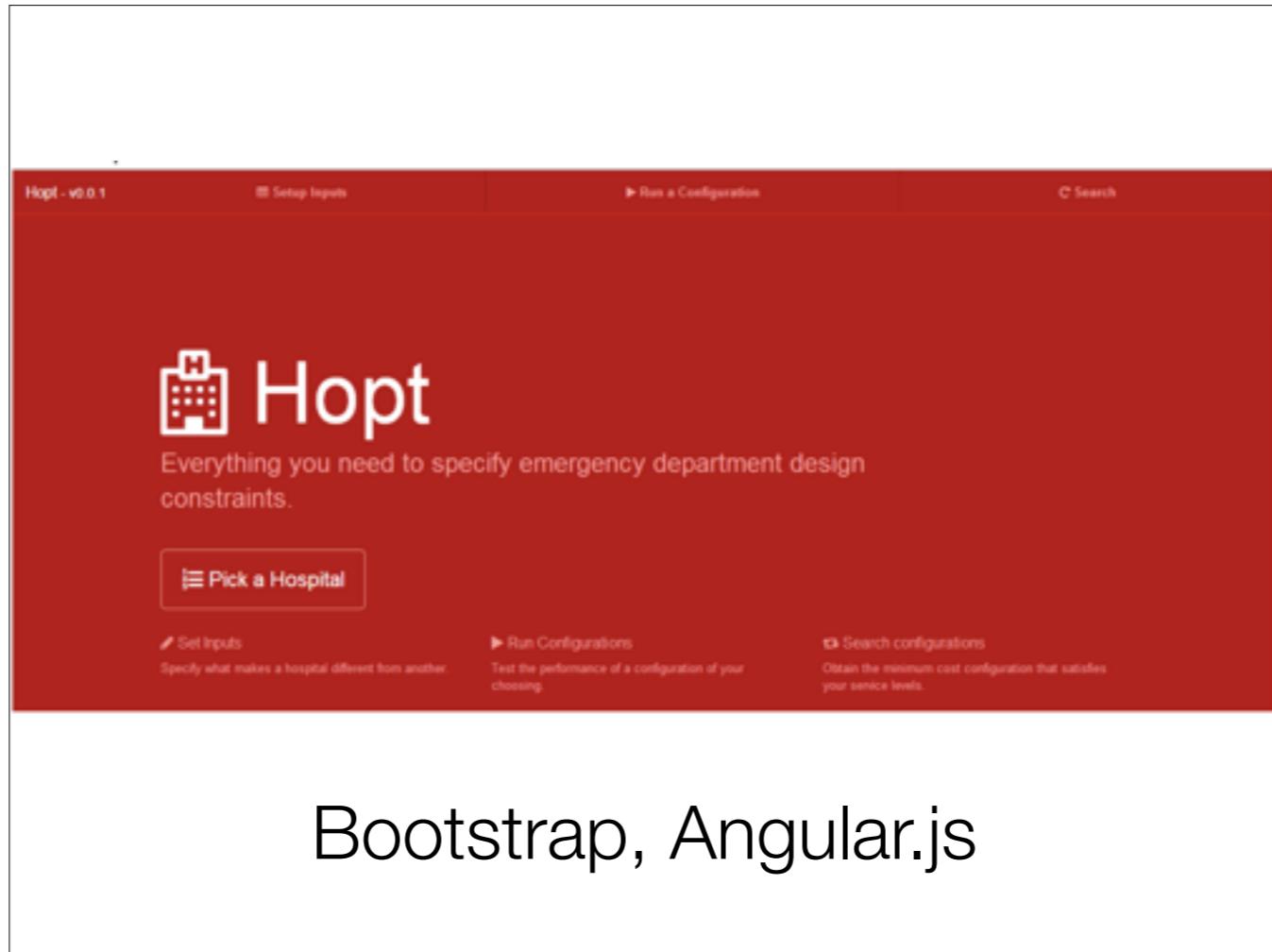
Friends who have yet to responded



**Ross Regitsky**

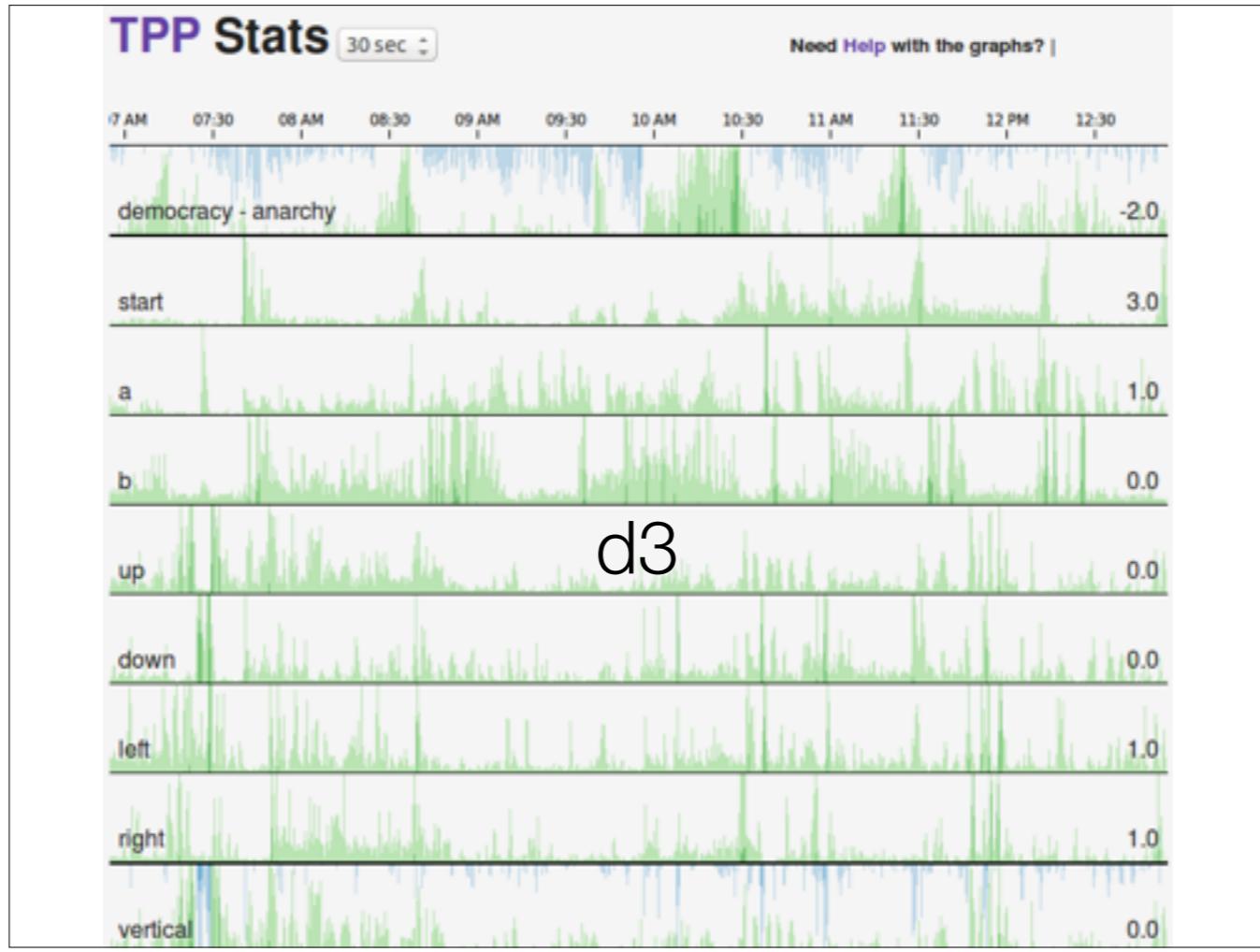
# Vanilla.js

started out not knowing anything about open source or javascript - started with vanilla.js



## Bootstrap, Angular.js

eventually learned about..



I got really interested in data visualization

# Finish sci notation multiply/divide. #10765

**Closed**

hzoo wants to merge 19 commits into Khanmaster from unknown repository

Conversation 3

Commits 19

Files changed 6



hzoo Henry Zhu - commented  
on Jan 9, 2012



First PR out of 5 ① 0 in this repo

Contributor



Finished suggestions/comments and hint for multiply/divide and removed add/subtract for another pull request.

Trello

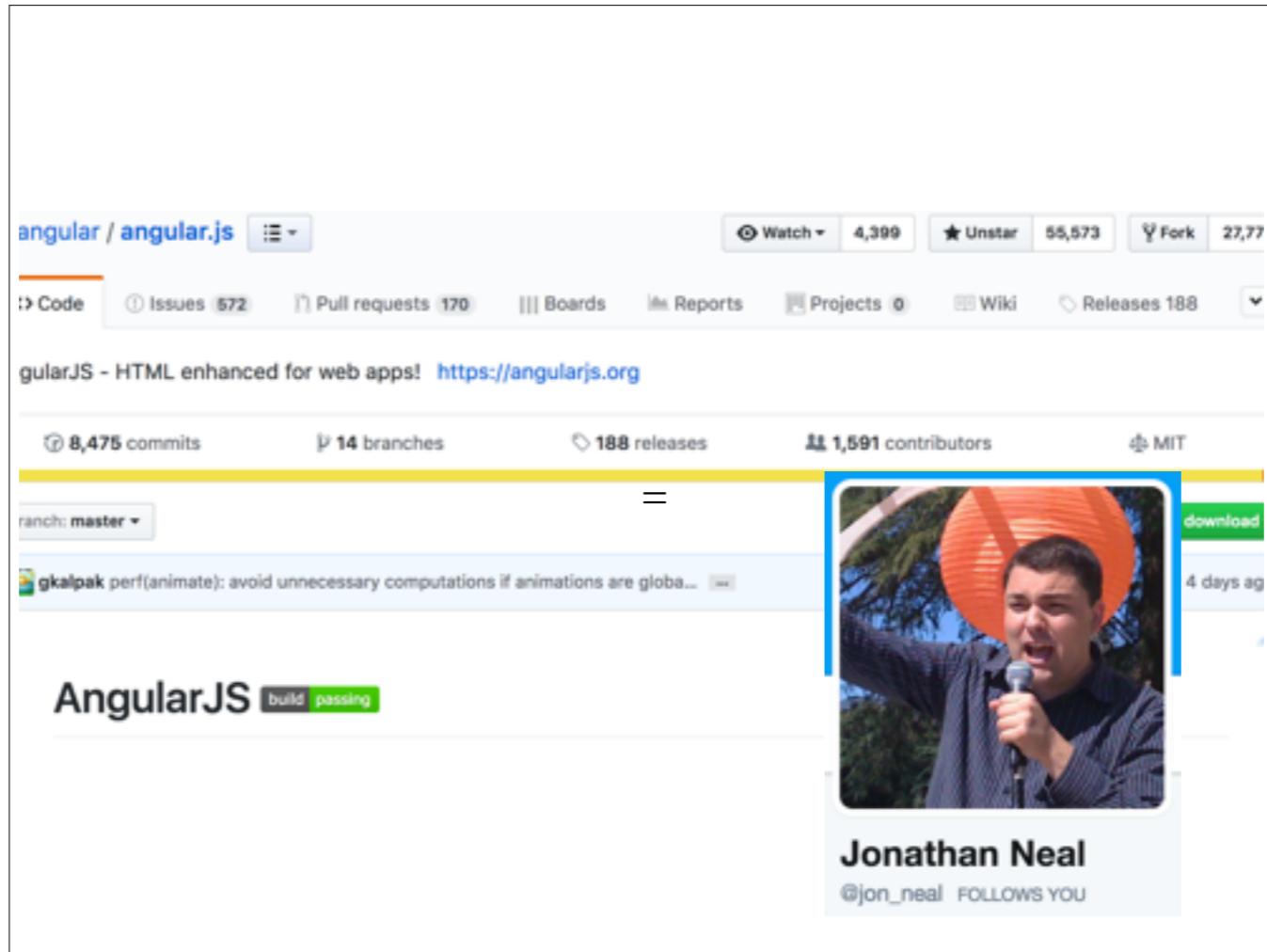
Update of [this](#) pull request  
Sandcastle

<http://firstpr.me>

kd5bj0 and others added some commits on Nov 6, 2011

⚡	⚡ Ohm's law (aka Circuits I) exercise - question generation	ebad3fd
⚡	⚡ simplifyUnit - converts SI unit names into base units	791b023
⚡	⚡ Completed si_quantity answer type	6ce1e75
⚡	⚡ si_quantity bugfix, additional Ohm's law problem types	ee637d6
⚡	⚡ Add hints, scientific notation formatting functions	a55e6a5
⚡	⚡ Replace tabs with spaces	46301bb
⚡	⚡ New exercise: Multiplying and Dividing Scientific Notation	ec728ea
⚡	⚡ Formatting changes for Ohm's Law exercise	9eac2e0
⚡	⚡ Style changes from code review	0b36af9
⚡	⚡ Style changes from code review	e84675b
⚡	⚡ Merge branch 'circuits' into scientific-notation-2	9ccf867
⚡	⚡ Spaces to tabs	4d85c1c

my first pr was closed, didn't understand how to rebase 😊



I got a job and met Jonathan Neal who was really involved in Open Source. At that point for myself I just needed a mentor to encourage me. He didn't need to help me technically, but just tell me that it was going to be ok and that I just had to get involved. I was internally motivated enough that I wanted to try contributing to Angular.

Trying to contribute was pretty difficult for me. I read through all the docs on the website, the readme, contributing guide, and more. Unfortunately, the only interactions you can make on github are via issues/PRs. If you are a new contributor, you either end up asking questions as an issue, or just giving up. Not every project has a "beginner-friendly" tag and even those are picked up within minutes (which is cool, but not sustainable).

## chore(jscs): update jscs and update deprecated rules #5



The screenshot shows a GitHub pull request interface. At the top, it displays the title "chore(jscs): update jscs and update deprecated rules #5". Below the title is a user profile for "hzoo" with a small profile picture, the name "hzoo", and statistics: "26 commits / 7,950 ++ / 8,449 --". To the right of the stats is the number "#22". Below the profile is a timeline chart showing contributions from 2011 to 2017. The chart has a horizontal axis with markers for 2011, 2013, 2015, and 2017. A vertical axis on the left is labeled "20". There are several orange triangular markers indicating activity, with a dense cluster between 2014 and 2015. Below the chart, the text "Thanks for all the Angular PRs" is visible. The main body of the pull request contains a message from Igor Minar:

Igor Minar <iminar@google.com> 10/21/14  
to hi ▾  
  
Hi Henry,  
  
Thanks for all the PRs for cleaning up the angular code base.  
  
Can we send you an Angular t-shirt for all of your awesome work?

Eventually I found an issue that was about updating the config for the style checker. It seemed really straightforward, and I learned about JSCS and its config. I figured out how to clone the repo, update the package, run the tests, and even how to update the shrink-wrap file. Looking back, that was insane. I learned a lot from that experience but I'm not sure how beginner-friendly that ended up being.

Igor was nice enough to merge the PR (I had to learn what LGTM was, and learned rebasing via closing the PR instead of merging (scary since it's a red color). Eventually I made many more PRs to touch so many files in the codebase. Because of that, I'm actually the #22 contributor on Angular 1 even though I didn't do any real changes.

I got a really awesome email from Igor one day. We talked about OSS and he offered to send me a t-shirt for my efforts which I really appreciated at the time and encouraged me all the more.



So I went back to the project I was configuring and look at their issues. Luckily, JSCS had a set of beginner-friendly issues labeled and some weren't taken.

My first pull request there wasn't crazy, I learned markdown and added a table of contents! That was exciting enough for me to continue forward.

I say luckily since in my experience finding these issues (and making them myself), it's rare to find many for a project since they either get taken too fast or they aren't beginner enough so no one takes them.

## Welcome to the team, Henry



m  
68



Joel Kemp

✉ to Marat, Oleg, Mike, Alexej, Henry ▾

8/4/15

#2



a  
20

Henry,

July

We're excited to bring you into the core team.

#4



h  
52

Maintaining JSCS includes:

#6

- Designing better architecture within our team.
- Responding to the issues.
- Accepting pull-requests.
- Working on critical fixes.

It does not require a fixed amount of your time on daily basis, I  
great to put it on a regular basis.

It's Joel from JSCS

Adobe/Behance x



Joel Kemp

to hi ▾

5/7/15 ⭐

Reply

Hey Henry,

As you may know, Mike Sherov and I work on the Behance team at Adobe in New York. We're looking to hire a JavaScript engineer for our small JS team (6 people) and I think you'd be an awesome fit. You do great work on JSCS and we want someone great to join our talented team.

Would you be at all interested? I know you're based out of Georgia, but I figured I'd reach out just in case.

- interview/job from oss!



**Behance** 

@Behance

Use Behance to showcase and discover creative work. We're on a mission to empower the creative world to make ideas happen.

```
81
82  it("toIdentifier", function () {
83    assert.equal(t.toIdentifier("swag-lord"), "swagLord");
84  });
85
```

Oh I'm a maintainer now?

## Looking for a maintainer #88

 Open kittens opened this issue on May 9, 2015 · 11 comments



kittens commented on May 9, 2015



 2 First Issue in this repo

Babel member



I don't have time to maintain babel core and babel-eslint so I'm looking for someone(s) to take over maintenance. This would include triaging issues, fixing bugs, reviewing pull requests and releasing new versions. Ideally they'd have experience with AST-based tooling as well as how to write ESLint rules. Familiarity with ESLint internals would be most preferable too so bugs can be identified as residing in the babel-eslint compatibility layer or ESLint itself.



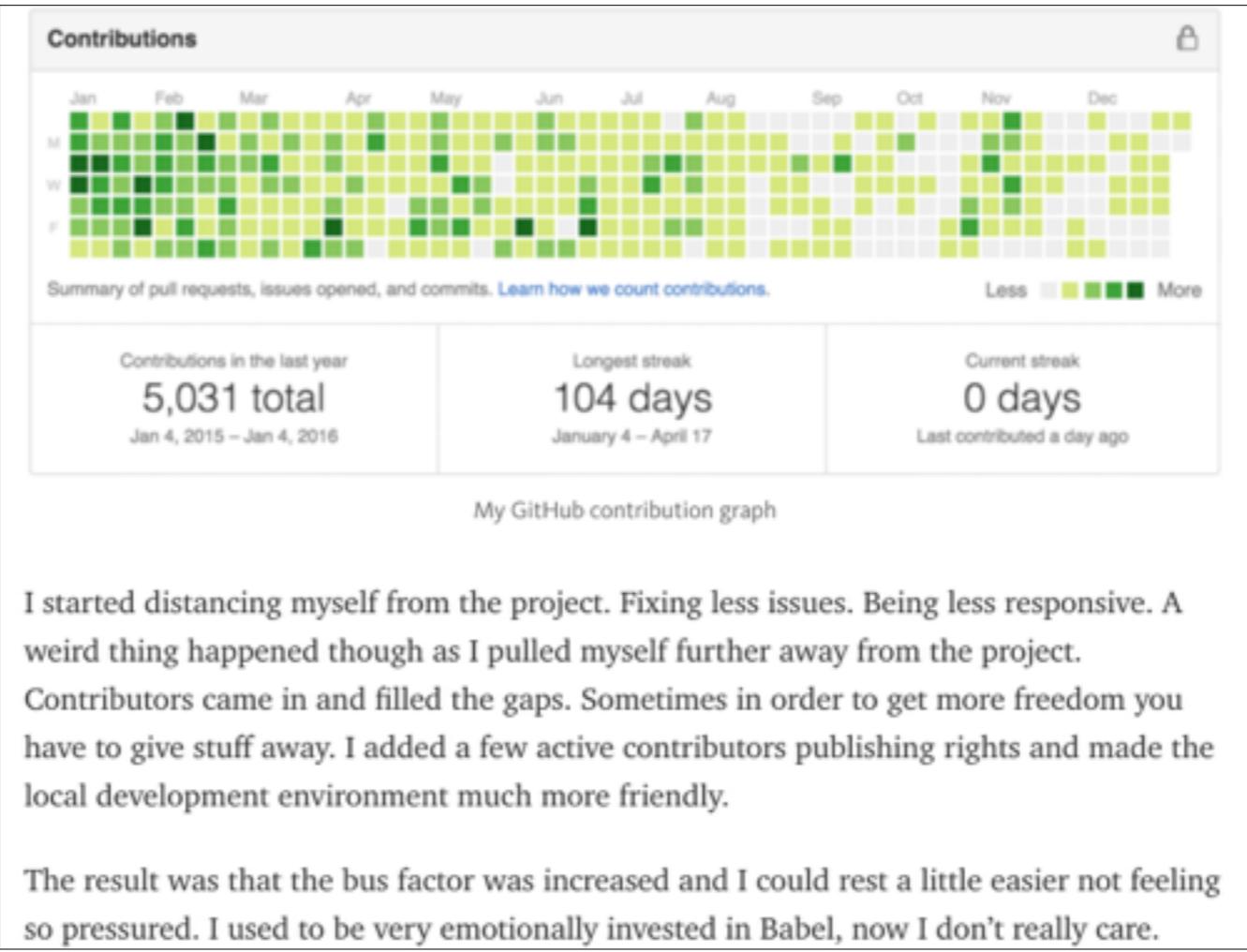
hzoo commented on May 9, 2015

Babel member



I'll be working on supporting jscs with babel with <https://github.com/jscs-dev/babel-jscs> once I figure out the issues there. If so, some of the issues will probably be the same (esprima/espre) so I maybe of some help although I'm just starting to work with ASTs and eslint.

sebastian was basically the sole maintainer on babel core  
intro to contributing via babel-eslint



I started distancing myself from the project. Fixing less issues. Being less responsive. A weird thing happened though as I pulled myself further away from the project.

Contributors came in and filled the gaps. Sometimes in order to get more freedom you have to give stuff away. I added a few active contributors publishing rights and made the local development environment much more friendly.

The result was that the bus factor was increased and I could rest a little easier not feeling so pressured. I used to be very emotionally invested in Babel, now I don't really care.

burnout, I just happened to one of the “contributors that came in and filled the gaps”



This is really awesome! Thank you so much for what you've done on Babel, I know you didn't really expect to take over since I just kept pushing responsibility onto you :P I really appreciate it

28 Sep 2016

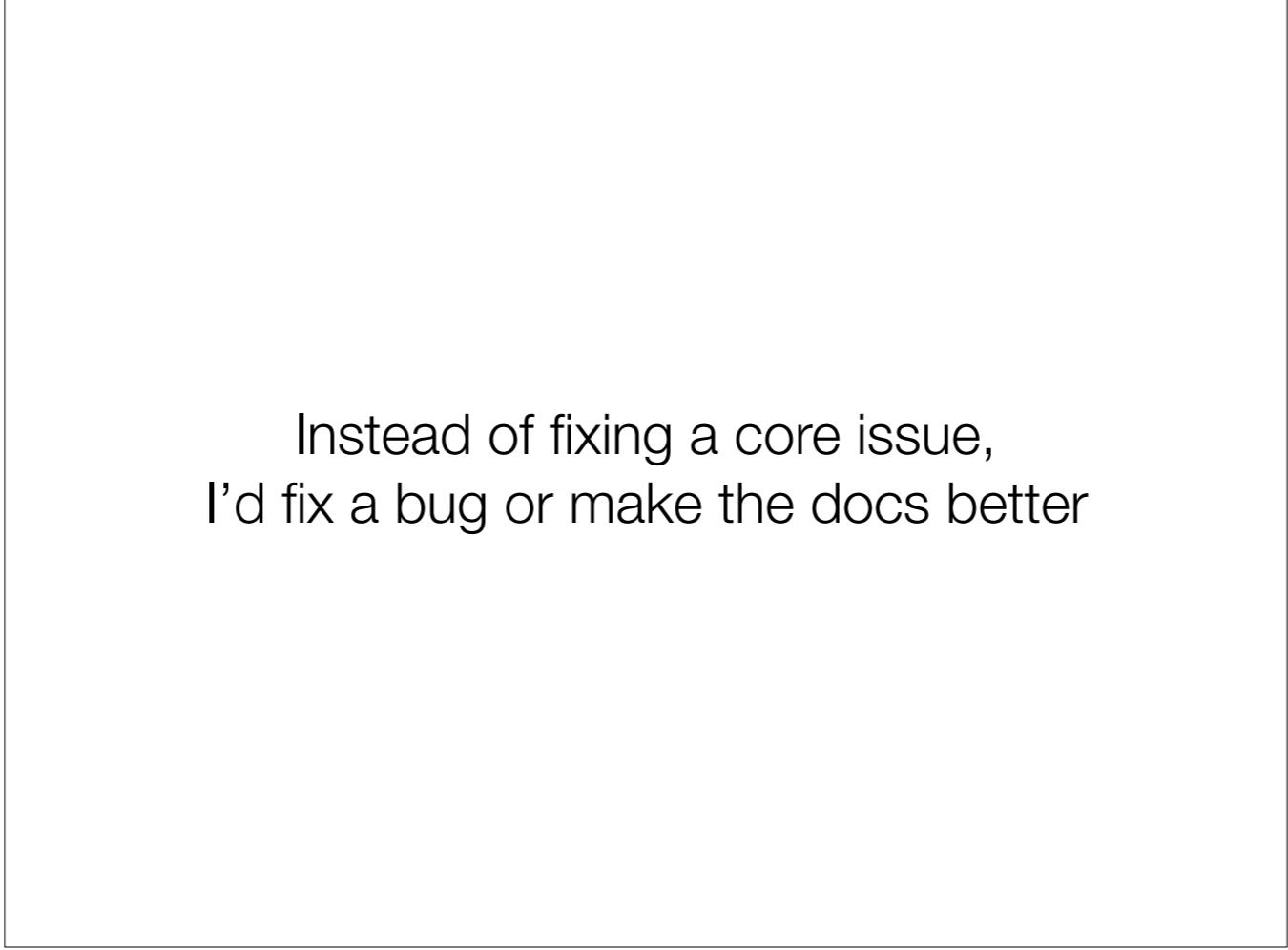
My realization of becoming a maintainer in my mind came long after taking on the role in reality

Why did I not try to tackle the “hard” things?

In the back of my mind, though Sebastian would come back to tell me what to do or to guide the direction of the project

We didn't have any structure to help transition from contributor to maintainer  
no network of maintainers - recently github made a maintainer community and meet ups focused on maintainers

wasn't confident in self or skills, feels a lot like taxes/laundry



Instead of fixing a core issue,  
I'd fix a bug or make the docs better

- was easy to do the small things because closing an issue gave a small level of satisfaction

It felt like the project wasn't moving forward

- felt like the project didn't move forward,
- because we didn't handle the larger issues (and no one else is going to do it)
- focused too much on the work I was doing before as a contributor rather than maintainer

Do we derive our worth from our work?

What happens when it suffers?

- When you put so much of your time into something, you are bound to encounter some issues
- It's easy to put your identity into your work, and to derive your self-worth from it
- How can I stand against criticism, regressions, drowning in these issues? I remember that I'm not defined by a project
- I (and all of us) have an inherent worth outside of all these things



“Everything is fake”

- > 20k stars, 8m downloads/month
- on the outside it might look like open source projects are doing super well
- not to get too depressing but we don't know what we are doing
- the more popular a project, the less likely it is healthy

## How do we measure success in OSS?

- why do we do OSS at all?
- did OSS really win?
- > 20k stars, 8m downloads/month
- on the outside it might look like open source projects are doing super well
- not to get too depressing but we don't know what we are doing
- the more popular a project, the less likely it is healthy

# OSS won

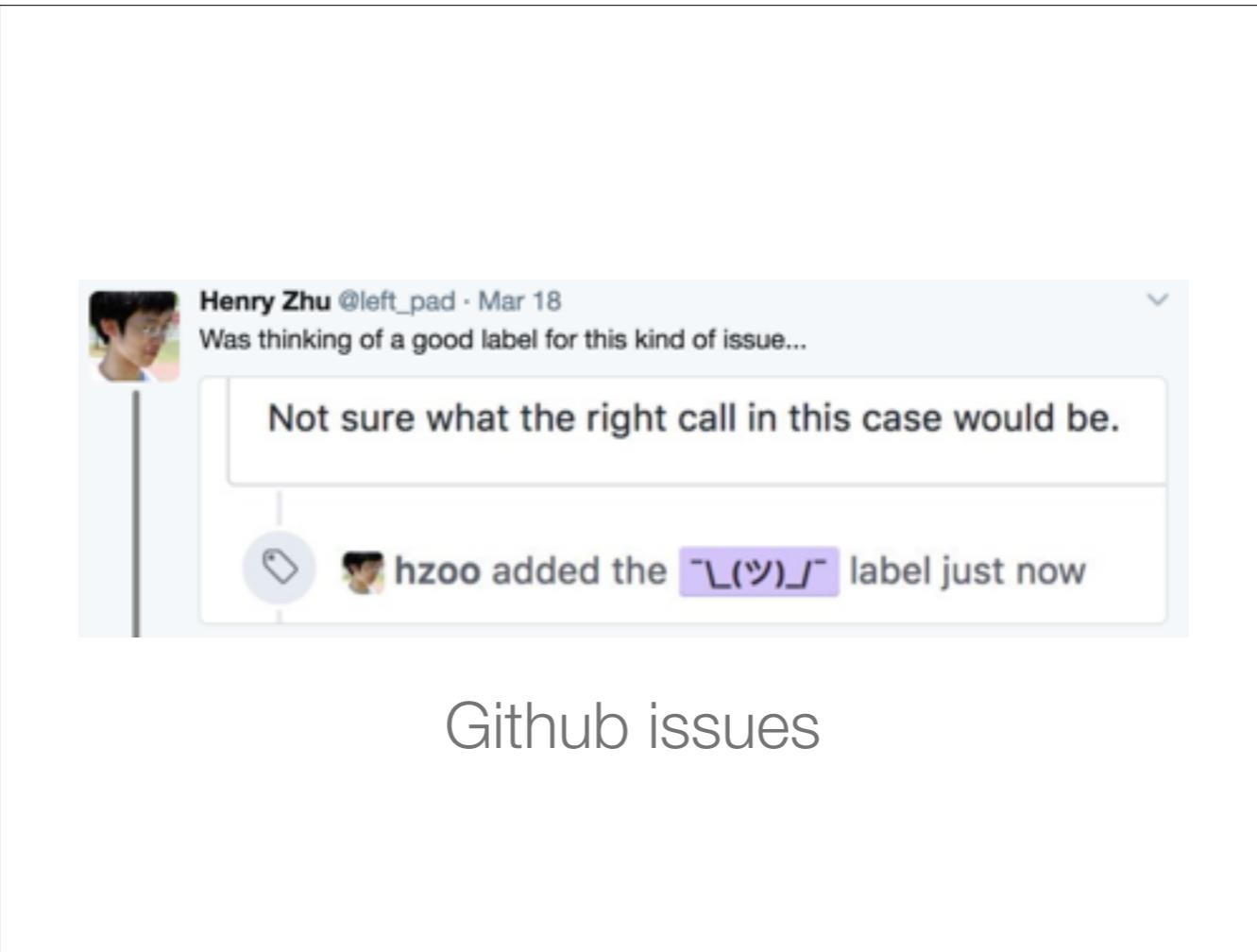
- did oss really win?
- > 20k stars, 8m downloads/month
- on the outside it might look like open source projects are doing super well
- not to get too depressing but we don't know what we are doing
- the more popular a project, the less likely it is healthy

## But at what cost?

- > 20k stars, 8m downloads/month
- on the outside it might look like open source projects are doing super well
- the more popular a project, the less likely it is healthy
- are we encouraging a generation of burnout? I don't want to encourage OSS just because.

How do we do open source >  
what comes out of it

- would like to argue



## Github issues

short story about issues

GitHub Issues -> Phabricator -> Back to GitHub

11/18/15

9/7/16

 **Sebastian McKenzie**   
@sebmck

 Following

GitHub is such a poor tool for managing large open source. I constantly feel overwhelmed, the UI does not scale well at all.

RETWEETS LIKES  
**25** **55**



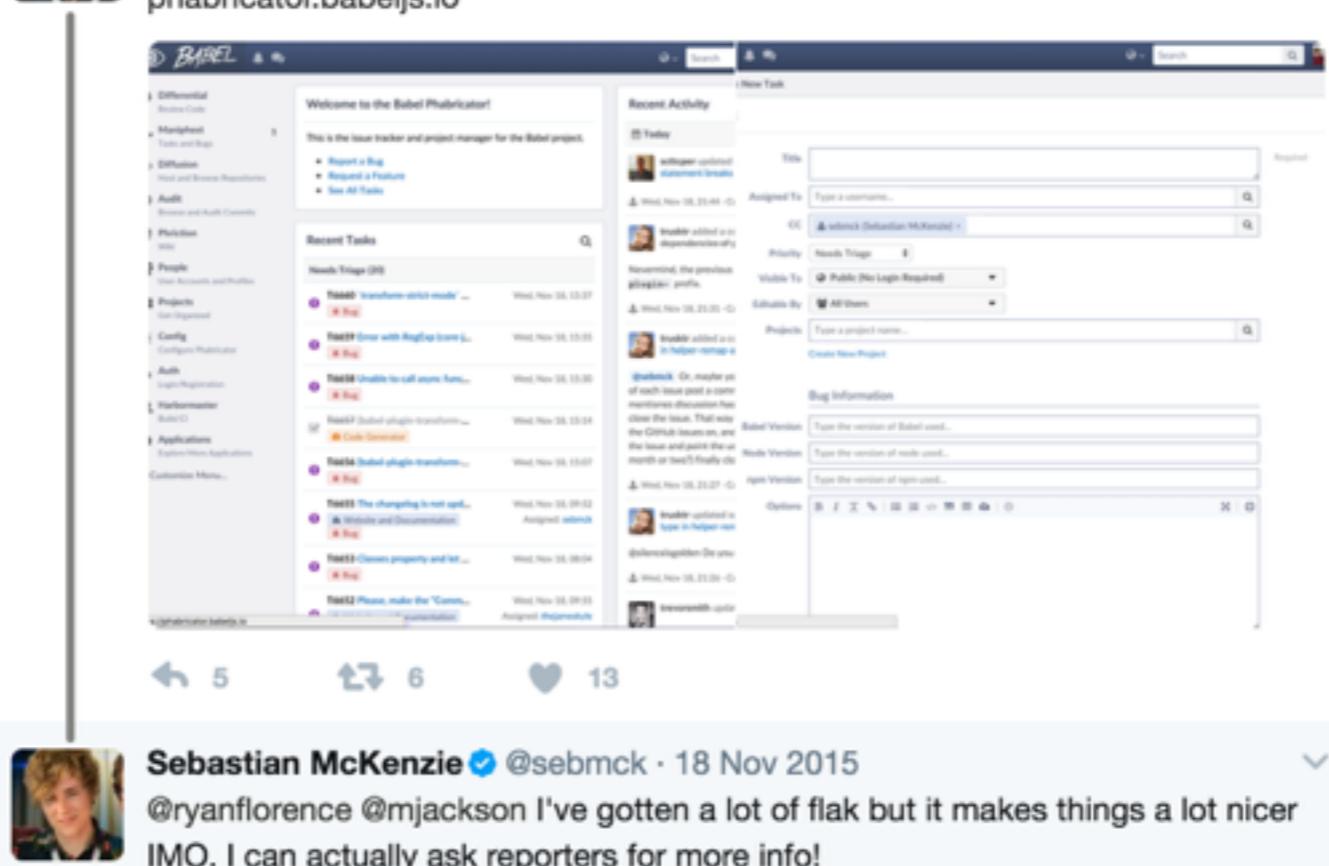
3:47 AM - 16 Nov 2015

<https://twitter.com/sebmck/status/666175854360170496>

Before Dear Github, recent changes (issue/pr templates, saved replies, reactions, reviewers, etc).

 **Sebastian McKenzie**  @sebmck · 18 Nov 2015

@ryanflorence @mjackson I've moved Babel to Phabricator.  
phabricator.babeljs.io



The screenshot shows the Babel Phabricator interface. On the left is a sidebar with links for Differential, Maniphest, Diffusion, Audit, Phabricator, People, Projects, Config, Auth, Marketplace, and Applications. The main area has a "Welcome to the Babel Phabricator!" message and a "Recent Tasks" list. The list includes tasks like "Needs Triage" (5), "Needs Review" (6), and "Needs Fix" (13). To the right is a "New Task" form with fields for Title, Assigned To, CC, Priority, Status, and Projects. Below the form is a "Bug Information" section with fields for Babel Version, Node Version, and Npm Version.

Recent Activity

Today

New Task

Recent Activity

Today

New Task

Assigned To:

CC:

Priority: Needs Triage

Status:  Public (No Login Required)

Author By: All Users

Projects:

Bug Information

Babel Version:

Node Version:

Npm Version:

Options:

Positives

Less back and forth due to required fields  
More discussion in PRs  
more maintainer features (merge dups)

Negatives

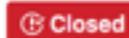
Github issue links 404'd  
Issue tab is gone  
Worse user behavior  
Less “issues”  
Post “Dear Github”, many improvements

- excuse for users to email me directly, slack dm, commit messages, website repo which had issues
- Try explaining it in a OSS workshop
- Gave me an excuse to ignore



- no way to know if it was ultimately good or bad beforehand

## Plan A #15

 Closed

danez opened this issue on Sep 1, 2016 · 0 comments



danez Daniel Tschinder - commented  
on Sep 1, 2016 • edited

  3 13 in this repo Member + 

This is a ordered list of things that need to be done for the migration

- Reach out to github for support with abuse rate limit and notifications @danez
- Disable phabricator to track github repo and send mails about commits merges.
- Put phabricator into readonly mode (login will probably not work anymore)
- Merge PR and Issue template for babel [babel/babel#3690](#)
- Enable issues on github
- Migrate old and new issues to github
- Push redirects to (<https://github.com/babel/phabricator-redirects>)
- Add phabricator.babeljs.io for github pages to this repo
- SITE: Lower DNS TTL to 1 minute if possible ({\$TTL 60}) for babeljs.io - {Keep note of the current value}
  - SITE: add new additional subdomain for phabricator phabricatorbackup.babeljs.org (or similar)
  - SITE: Adjust DNS for phabricator.babeljs.io to be a CNAME to babel.github.io.  
(<https://help.github.com/articles/setting-up-a-custom-subdomain/>)
  - SITE: Set DNS TTL back to what it was before the first task
  - As soon as phabricator.babeljs.io is pointing to github, we could disable readonly mode in phabricator so we can login again in case

I hope I did not miss anything :)

- unlisted github api to not notify thousands of watchers
- redirecting phabricator issues to new github urls

# `export default async` makes it impossible to reference fn by name in file (T7295) #3786

① Open

babel-bot opened this issue on Apr 16, 2016 8 comments

BABEL

babel-bot Babel Bot - commented on Apr 16, 2016 • edited by hzoo

0

① 772 in this repo

Collaborator



Issue originally made by @dasilvacontin

## Bug information

- Babel version: 6.7.4

## Options

Chrome 49.0.2623.112 (64-bit)

## Input code

```
export default async function top () {}
```

## Description

As you can see [http://babeljs.io/repl/#?evaluate=true&presets=es2015%2Creact%2Cstage-2&experimental=false&loose=false&spec=false&code=export%20default%20async%20function%20top%20\(\)%20%7B%7D](http://babeljs.io/repl/#?evaluate=true&presets=es2015%2Creact%2Cstage-2&experimental=false&loose=false&spec=false&code=export%20default%20async%20function%20top%20()%20%7B%7D) in babeljs.io's 'Try it out', the function cannot be referenced by its name inside the file, due to how it gets declared.

Pipeline

New Is

Assign

No one

Labels

bug

Project

None yet

Milestones

No milestones

Estimate

No estimate

Release

Not in release



Henry Zhu @left\_pad · 7 Sep 2016

@babeljs is back w/ @github issues: [github.com/babel/babel/is...!](https://github.com/babel/babel/issues) Thanks  
@TschinderDaniel for this tedious but vital work

		Notifications	Watching	Mark all as read		
Unread	270	babel/babel				
Participating	43	Invalid striping flow type imports in react preset	8 minutes ago	✉️	✉️	✉️
All notifications		Extending builtins like Error and Array doesn't work in 6.x	8 minutes ago	✉️	✉️	✉️
babel/babel	132	Regression: Variable definitions in a For Initialiser loop are ...	8 minutes ago	✉️	✉️	✉️
lerna/lerna	38	Incorrect rest operator behavior for async arrow function	8 minutes ago	✉️	✉️	✉️
babel/babel-loader	35	babel-plugin-transform-async-to-generator default params	8 minutes ago	✉️	✉️	✉️
babel/babel-eslint	11	Last class in file mysteriously not being compiled	8 minutes ago	✉️	✉️	✉️
moebiusdr/ebab	9	Default arguments transpiled incorrectly for classes in bab...	8 minutes ago	✉️	✉️	✉️
eslint/typescript-esi...	7	es2015 preset is ultra-slow	8 minutes ago	✉️	✉️	✉️
facebook/jscodeshift	7	Flow issues	9 minutes ago	✉️	✉️	✉️
babel/eslint-plugin-...	6	[bug?] Not all dependencies of preset-es2015 are installed...	9 minutes ago	✉️	✉️	✉️
lebabryon/async-to...	3	We don't know what to do with this node type. We were pr...	9 minutes ago	✉️	✉️	✉️
lebabryon/flow-rem...	3	tailCall and blacklisted blockScoping generates code with ...	9 minutes ago	✉️	✉️	✉️
babel/phabricator-t...	2	Arrow function in React.Component class fails	9 minutes ago	✉️	✉️	✉️
babel/babylon	2	Occasional useless source maps	9 minutes ago	✉️	✉️	✉️
dtinth/babel-plugin-...	2	Parent constructor calls not working for IE <= 10	9 minutes ago	✉️	✉️	✉️
thejameskyle/babel...	2	'this' is not allowed before super() error when using class p...	9 minutes ago	✉️	✉️	✉️
eslint/espreso	2	presence of "import" statement breaks "export" of async f...	11 minutes ago	✉️	✉️	✉️
eslint/generator-esi...	2					
jquery/esprima	2					
istanbuljs/babel-plu...	1					
estree/estree	1					
filling/lstexplorer	1					

◀ 10 ▶ 28 ❤ 64 ⏪

## Frustrations

npm packages..

Code

Issues 0

Pull requests 0

Boards

Reports

Projects 0

Wiki

## Transfer ownership to the babel repo #2

Closed

hzoo opened this issue on Jun 13, 2016 · 4 comments



hzoo Henry Zhu - commented  
on Jun 13, 2016 • edited



0 First Issue in this repo

Owner



@ysmood Thanks for making this repo/preset for everyone to use! This is mainly a request for the [npm package](#) but I was wondering if you would be cool with allowing babel to maintain and take over the preset given we have the `babel-preset-es2015` package and plan to do so for future years.



ysmood Yad Smood - commented on Jun 14, 2016

Collaborator



It's my pleasure to do so, the interest of the whole community should be always put in the first place. I'd like to transfer both the github repo and the npm package to babel. But I want to confirm the two account names first. Or will it be ok if I transfer them to your account?

- commented on Jul 28, 2016

Owner +

Do you need the code as well?



hzoo Henry Zhu - commented on Jul 28, 2016

+  

Nope just the npm name! (Don't need the code, or this repo)

- commented on Jul 28, 2016

Owner +

How are you going to ensure that you are not going to break users?



hzoo Henry Zhu - commented on Jul 28, 2016

+  

The next version that is published would have to be a major version

- commented on Jul 29, 2016

Owner +

What kind of language coverage are you going to provide?

## What are scopes?

Scopes are like namespaces for npm packages. Each npm user has their own scope.

```
@username/project-name
```

This means that you don't have to worry about someone else taking your package name. Only you can add packages in your scope.

```
18 "dependencies": {  
19 -   "babel-core": "^6.22.1",  
20 -   "babel-register": "^6.22.0",  
21 -   "babel-polyfill": "^6.22.0",
```

```
18 "dependencies": {  
19 +   "@babel/core": "^6.22.1",  
20 +   "@babel/register": "^6.22.0",  
21 +   "@babel/polyfill": "^6.22.0",
```

solved by scoped packages (which we haven't switched to yet, have a PR open)



Henry Zhu @left\_pad · Jan 17

Thoughts on @babeljs using npm scoped packages for 7.0?

47% What's a scoped package?

42% YES! (ex: @babel/core)

9% NO.. (babel-core)

2% Other ideas (reply)

1,012 votes • Final results

◀ 13

↑↓ 15

♥ 15

...

```
177 * https://www.youtube.com/watch?v=fWNaR-rxAic
178 */
179
180 constructorMeMaybe() {
181     let hasConstructor = false;
```

Memes

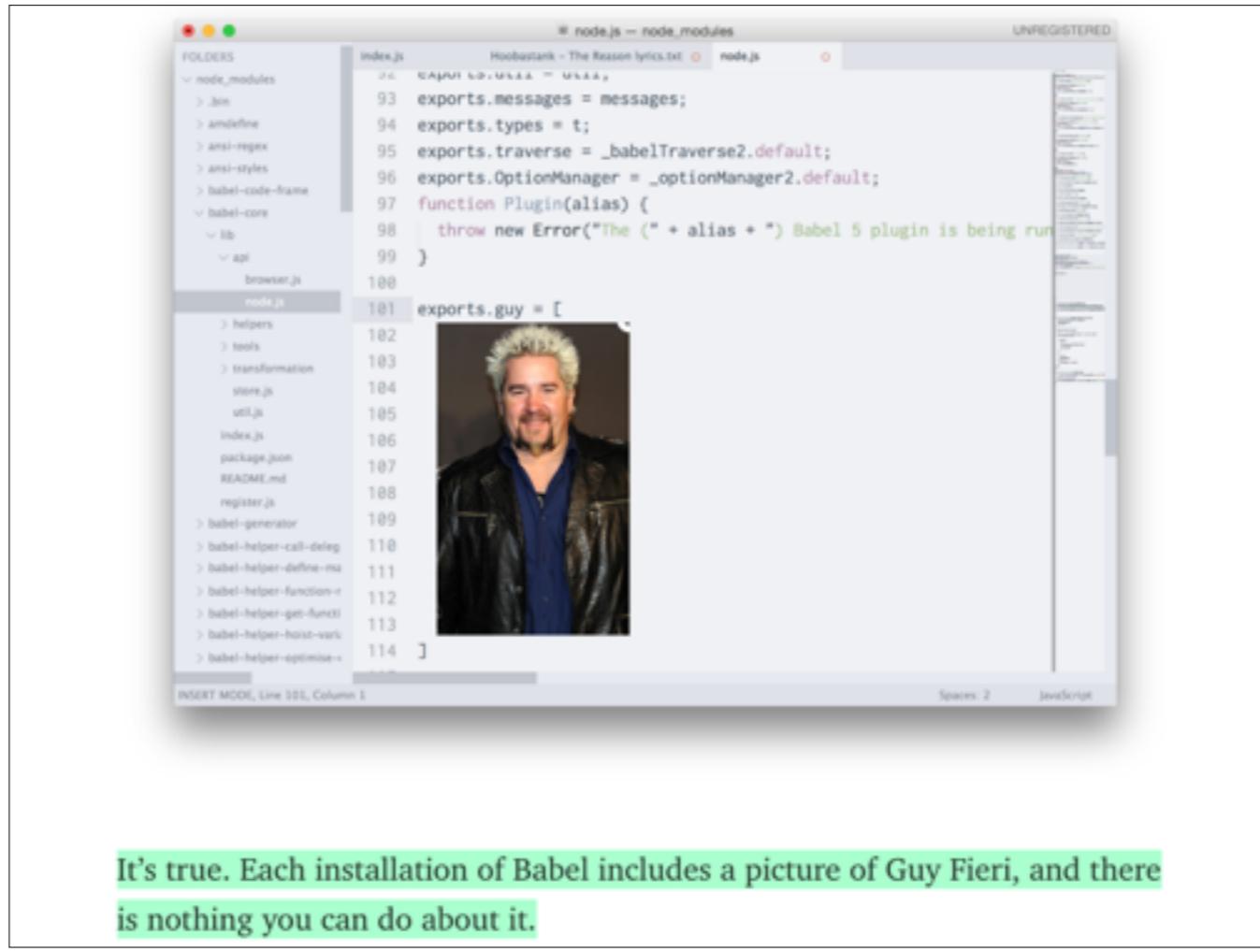


Jordan Scales [Follow](#)  
JavaScript clickbait enthusiast.  
Aug 5, 2016 · 6 min read



## I Peaked Into My Node\_Modules Directory And You Won't Believe What Happened Next

The left-pad fiasco shook the JavaScript community to its core when a rogue



The screenshot shows a code editor window with a sidebar containing a file tree. The tree includes 'node\_modules' with subfolders like '.bin', 'amdefine', 'ansi-regex', 'ansi-styles', 'babel-code-frame', 'babel-core' (which contains 'lib' and 'api' subfolders), 'browser.js', and 'node.js'. The 'node.js' file is currently selected and open in the main editor area. The code in the editor is as follows:

```
index.js Hoobastank - The Reason lyrics.txt node.js
 93 exports.messages = messages;
 94 exports.types = t;
 95 exports.traverse = _babelTraverse2.default;
 96 exports.OptionManager = _optionManager2.default;
 97 function Plugin(alias) {
 98   throw new Error("The (" + alias + ") Babel 5 plugin is being run
 99 }

100
101 exports.guy = [
102   
103   ,
104   ,
105   ,
106   ,
107   ,
108   ,
109   ,
110   ,
111   ,
112   ,
113   ,
114 ]
```

The status bar at the bottom left indicates 'INSERT MODE, Line 101, Column 1'. The status bar at the bottom right shows 'Spaces: 2' and 'JavaScript'.

It's true. Each installation of Babel includes a picture of Guy Fieri, and there is nothing you can do about it.

## Fix exports

Closed thejamesky

Conversation 33



thejamesky

No description

113



Babel member

## Amazingly childish contributors

edited this page 7 days ago · 1 revision

---

After reading this <https://github.com/babel/babel/pull/3641> I uninstalled Babel and will try to get the word out here in Silicon Valley. Amazingly childish. A user did find the photo on his computer!



Mariko Kosaka @kosamari · 12 Dec 2016

@left\_pad 🎨 it !



5

11

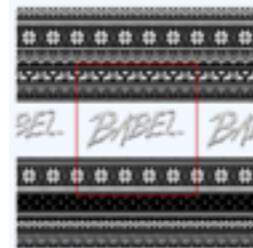
82

# Sweaterify

Turn an image into a sweater. Made with ❤ by @kosamari  
Looking for the Ugly Browser Christmas pattern? Download wallpaper, or order a [Sweatshirt/T-shirt](#)... or make one yourself!

Upload an image

Drag red rectangle to change position



Holiday   Halftone   Poster

• Number of Repeat

• Invert image colors

• Yarn Type  bulky   super fine

• Image Adjustment  dark   bright

• Color Settings

arm & neck background color

*	*	333333
○	○	FBD64E
○	○	A88038
○	○	B1B65A

reset colors



Download  
Sweater PNG

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Pattern CSV

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Wallpaper



**Mariko Kosaka**

@kosamari

Following

Beautiful 😂 @left\_pad @jdan



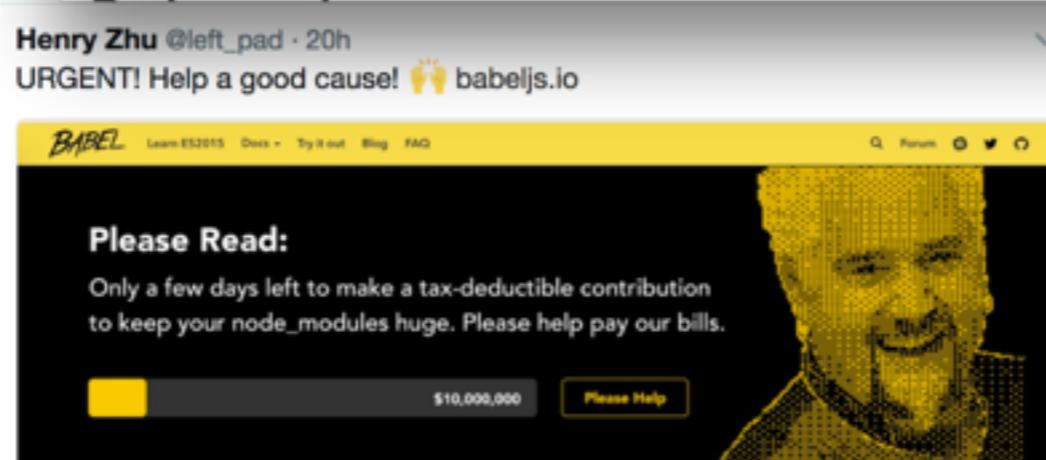
Please read:  
A personal appeal from  
Wikipedia founder Jimmy Wales



## Overview

The **2010 Wikipedia Fundraising Campaign** is the online encyclopedia's first fundraising campaign which implemented a site-wide banner ad featuring photographs of the founder Jimmy Wales and a donation plea that begins with "Please Read: A Personal Appeal From Wikipedia Founder Jimmy Wales." Following its launch in November 2010, the banner ad became a popular subject of parodies based on the [phrasal template](#) "Please read: A Personal Appeal from (X) Founder (Y)."

**Henry Zhu @left\_pad · 20h**  
URGENT! Help a good cause! 🙏 babeljs.io



## Business Model flavortown

Sustainability

a big topic in oss is sustainability

what are we doing about sustainability?

## Encouraging Contributors

## [7.0] Switch decorators-legacy to decorators in the Stage Preset #5318

 **Closed** hzoo opened this issue on Feb 15 · 6 comments



hzoo Henry Zhu - commented on Feb 15



208 50 in this repo

Owner



We'll also want to change stage-1 to refer to the current transform again (reverting the previous pr) but we can do that.

Kinda revert part of [#5225](#) due to [#5290](#) (replace transform-decorators to be decorators-legacy)

- Comment below you are going to do this (for others to know)
- Read [CONTRIBUTING.md](#)
- remember to run `make build` after a source code change or better just run `make watch` in another terminal window to auto run babel while you are developing
- Check you are on 7.0 branch with `git checkout 7.0` and then make a branch off of that to PR
- change `babel-preset-stage-1 package.json` and `src/index.js`
- just need to remove the `-legacy` in both places

example

```
- "babel-plugin-transform-decorators-legacy": "^1.3.4",
+ "babel-plugin-transform-decorators": "^1.3.4",
```



hzoo added

[beginner-friendly](#)

[help wanted](#)

labels on Feb 15

- learned better organization on beginner-friendly issues when possible

# Babel

<http://babeljs.io/>

## Babel, the community driven compiler for writing next generation JavaScript

Babel is a community-driven tool that helps you write the latest version of JavaScript (used at Facebook, Google, Netflix, etc). More users [here](#).

When your supported environments don't support certain features natively, it will help you compile it down to a supported version.

In short, developers want to take advantage of the latest features/syntax in JavaScript. Because the version of JavaScript depends on the client's browser, we can't rely on the fact they are using an up to date browser. Babel is a tool that helps compile the version of JavaScript a developer writes in to the least common denominator version of the browsers a site supports.

For example: if you support an older browser such as Internet Explorer 9, it won't have any of the features in ECMAScript 2016 (ES6), so Babel will transform your code into ES5 which is supported.

Babel is downloaded almost [6 million times a month](#) on Node's package manager, npm.

# BABEL

[VIEW IDEAS LIST](#)

🕒 Proposals accepted starting on  
March 20, 2017

### Technologies

javascript babel nodejs

### Topics

Programming Languages and Development Tools

compilers ast minifier

tc39

[CHAT](#)

# RGSoC



Activities   Summer of Code ▾   Help   Sign in

All Projects

## Babel

Mentor	Henry Zhu (hzoo)
Project Website	<a href="http://babeljs.io/">http://babeljs.io/</a>
Project Repository	<a href="https://github.com/babel/babel">https://github.com/babel/babel</a>
Suitable for Beginners?	no
Tags	<a href="#">JS</a> <a href="#">JavaScript</a> <a href="#">ES6</a> <a href="#">AST</a> <a href="#">Compilers</a> <a href="#">Babel</a> <a href="#">Transpilers</a> <a href="#">Minifier</a>
State	accepted
Applications (1st Choice)	2
Applications (2nd Choice)	1
Code of Conduct	<a href="https://github.com/babel/babel/blob/master/CODE_OF_CONDUCT.md">https://github.com/babel/babel/blob/master/CODE_OF_CONDUCT.md</a>
License	MIT license (MIT)

Who can we partner with?

Schools

Bootcamps

Companies

 **BrendanEich**   
@BrendanEich

Following ▾

Replying to @left\_pad

Serious q: why isn't FB sponsoring this? And others (unicorns who <3 JS)?

RETWEETS <b>10</b>	LIKES <b>93</b>	  
-----------------------	--------------------	---

7:02 PM - 1 Apr 2017

If your company is using Babel, see if you can help sponsor us or get some dev time!



**Mike Sherov**  
@mikesherov

Following ▾

Replies to @samccone @left\_pad and 2 others

Not for nothing, but @left\_pad also spends  
about 50% of his time at @BehanceTech  
officially working on Babel. Not that it's  
enough, but...

RETWEETS LIKES  
**6** **23**



11:17 AM - 2 Apr 2017

## babel-preset-env [coverage 93%](#)

A Babel preset that can automatically determine the Babel plugins and polyfills you need based on your supported environments.

```
npm install babel-preset-env --save-dev
```

```
{
  "presets": [
    ["env", {
      "targets": {
        "browsers": ["last 2 versions", "safari >= 7"]
      }
    }]
  ]
}
```

the only reason why we have preset-env was because I was able to spend my work time on it (only 2 weeks)  
this ties back to not feeling confident in core changes or having a roadmap - this forced me to plan out



**Logan Smyth**  
@loganfsmyth FOLLOW YOU  
Geek, Engineer, [@babeljs](#) maintainer,  
currently taking time to chill and hack on  
some OSS

**Logan Smyth** @loganfsmyth · Mar 21  
Happy to be a guest of TC39 this week representing [@babeljs](#). We'd love to see  
closer collaboration to ensure that Babel matches the specs.

1 11 65

- have some representation at TC39 (planning to go in May)
- many tc39 members are in our slack, and help in issues
- future: work with proposal authors to implement plugins

# BABEL

<https://opencollective.com/babel>

Hi! This is the [Babel](#) open collective.

**Our mission is to allow devs to write the next generation of  
JavaScript, irrespective of environment**



+432

Estimated annual budget based on current donations:

\$ 9,597

[CONTRIBUTE!](#)

Already used the money to pay for Logan's travel expenses to TC39

## What's the future of Babel?

- making a roadmap
- creating smaller teams, offloading maintenance
- partnering with other OSS projects like webpack



**BABEL**

7.0

- Look out for v7!