

A Response To “Design Mistakes in Node”

Rich Trott
he/him
@Trott

UCSF Library

@Trott





@Trott



Disclaimers

@Trott

The views expressed are
my own and not
necessarily those of my
employer.

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The views expressed are
my own and not
necessarily those of
Node.js.

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The views expressed are
my own and not
necessarily those of
Palace Family Steak
House.

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Quick show of hands...

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How many of you use
Node.js?

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Photo by holger blank (@hblank on Twitter)

@Trott

Ryan Dahl

@Trott

Ryan

@Trott

@ry

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Ryan Dahl

From Wikipedia, the free encyclopedia

Ryan Dahl is a [software engineer](#) and inventor of [Node.js](#).^{[1][2][3][4][5][6]}

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WaffleJS

@wafflejs

Following



Our lineup for August!

@duretti

@mikeal

@marlenac

@AysegulYonet

Ryan Dahl

@Trott

Images

@Trott

Images The Brain

@Trott

Images

The Brain

Machine Learning

@Trott

Images
The Brain
Machine Learning
Something Like That?

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I <3 @ry

@Trott

:-0

@Trott

10 Things I Regret About Node.js

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Node.js, Evented I/O for V8 Javascript

JSConf Berlin 2009

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Ryan is back!

@Trott

Ryan is back!
At JSConf!

@Trott

Ryan is back!
At JSConf EU!

@Trott

OMG! What is he going to talk
about??!!

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Design Mistakes In Node

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Regrets

@Trott

deno

@Trott

“That was pretty cool.”

--me

@Trott

ಠ_ಠ

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“a middle finger to Node.js”
—a person on the Internet

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TOP STORIES

Node.js Creator Blasts Node.js, Offers a Secure TypeScript-Based Alternative

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TOP STORIES

Node.js Creator Candidly Enumerates Mistakes

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TOP STORIES

Like Literally Everything Else, Node.js Is Not Perfect

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“Actually, Node.js is
quite nice.”

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2012

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Ryan Dahl

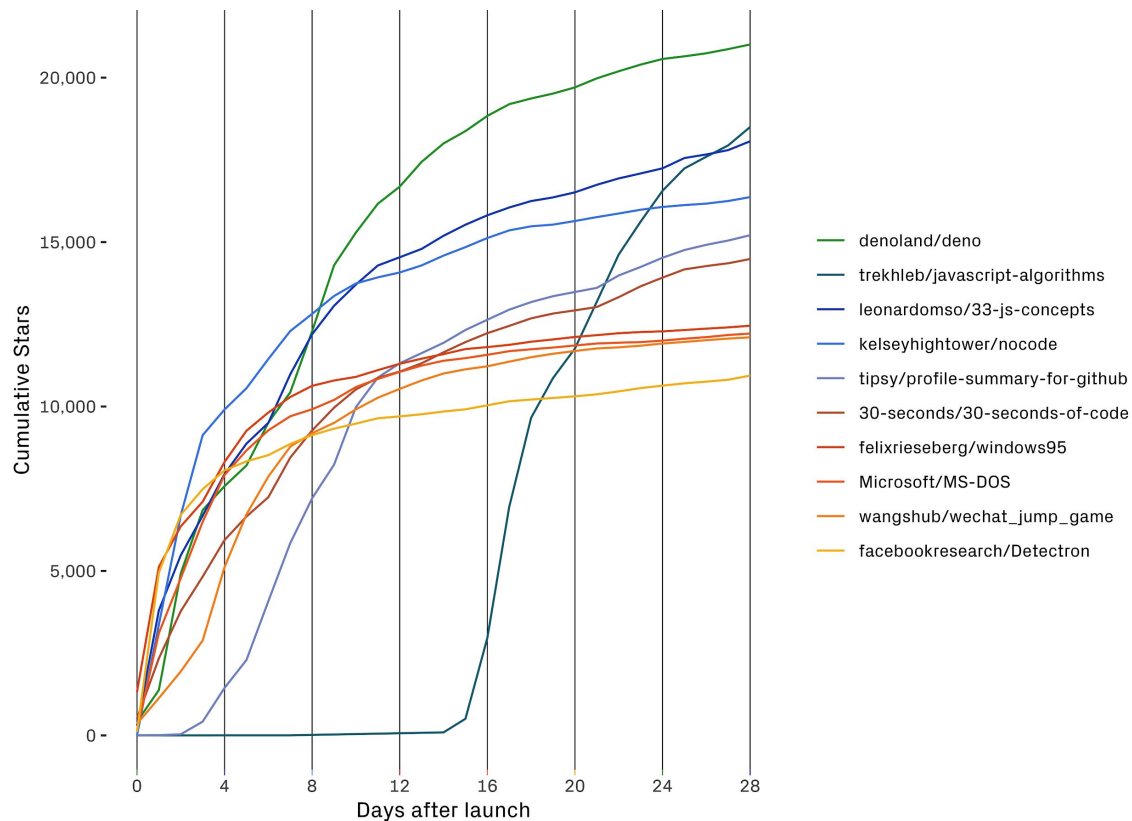
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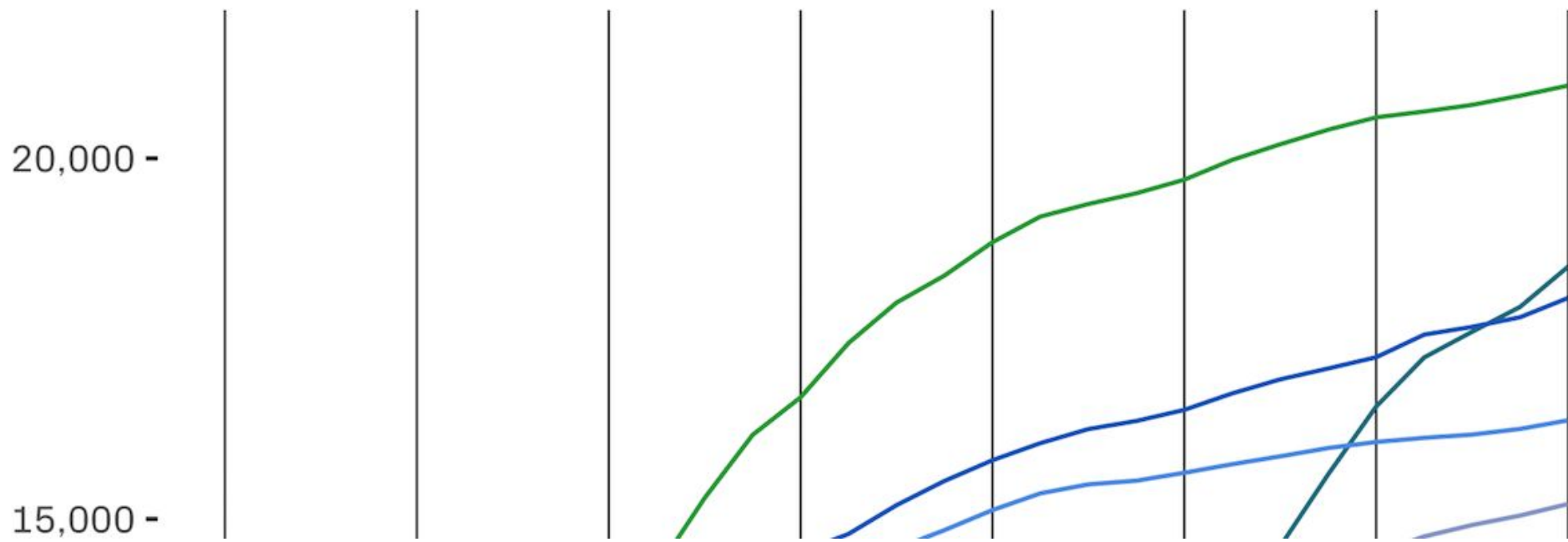
Ryan Dahl pinpoints the core problems of node.js: <http://tinyclouds.org/jsconf2018.pdf>
The community, judging by the amount of stars on <https://github.com/ry/deno>, feels the same.
How do you feel about addressing those issues? Is it doable? May be a fork?

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Source: GitHub

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What people are really asking is...

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Augh!

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What should we do
about all these design
flaws in Node.js?!?!?

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Should we all switch to
deno....?

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...even though it's not
yet stable...?

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...and incompatible with
npm...?

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...and I won't be able to
build anything with it
right now?

@Trott

I should totally switch,
right?

@Trott

N.B.: All big software projects
start out that way.

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I <3 @ry...

@Trott

...I <3 deno...

(Really!)

@Trott

IMO Ryan's talk was:

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Self reflection

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deno promotion

(Nothing wrong with that.)

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Not a Node.js diss

despite the title

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“Honestly, I like
Node.js. I like
programming in it.”

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“Perception is reality.”

—someone

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Regret:

Not sticking with Promises

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Antonyms are fun.

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Joy.

@Trott

Delight.

@Trott

Happiness.

@Trott

Negligence.

@Trott

Negligent

@Trott

Negligent -> Careless

@Trott

Negligent -> Careless ->
Carefree

@Trott

Negligent -> Careless ->
Carefree -> No regrets?

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Joy.

@Trott

Regret:

Not sticking with Promises

So much regret. So much absence of negligence.

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Joy:

We have promises!

(And they're here to stay.)

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Regret:

Security

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```
$ sudo npm install -g fhqwhgads  
FLAGRANT SYSTEM ERROR
```

Computer over.
Virus = Very Yes.



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Regret:

Security

This is the only one I'm going to cheat/hand-wave/punt on.

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Joy:

Security Working Group

@Trott

Regret:

The Build System (GYP)

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Joy:

It's fix-able.

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Regrets:

- package.json
- node_modules
- require("module") without the extension ".js"
- index.js

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Joy:

Negligible downside.

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The End (almost)

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I <3 @ry

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Headlines gonna
headline.

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A listicle is not a roadmap.

Or at least it's not **our** roadmap.

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Don't believe the internet hype.

I know. Shocking conclusion. SHOCKING!

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Prerequisites:

To ensure reproducible builds, deno has
separately:

1. [Rust](#) \geq 1.30.0
2. [Node](#)

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Thanks!

@Trott

...I <3 deno...

(Really!)

@Trott

Critical work has kept Node growing since.

- npm (AKA "Isaac") decoupled the core Node library and allowed the ecosystem to be distributed.
- N-API is beautifully designed binding API
- Ben Noordhuis and Bert Belder built the libuv.
- Mikeal Rogers organized the governance and community.
- Fedor Indutny has had a massive influence across the code base, particularly in crypto.
- And many others: TJ Fontaine, Rod Vagg, Myles Borins, Nathan Rajlich, Dave Pacheco, Robert Mustacchi, Bryan Cantrill, Igor Zinkovsky, Aria Stewart, Paul Querna, Felix Geisendörfer, Tim Caswell, Guillermo Rauch, Charlie Robbins, Matt Ranney, Rich Trott, Michael Dawson, James Snell

@Trott

Thanks!

(I'm done for real this time.)

@Trott