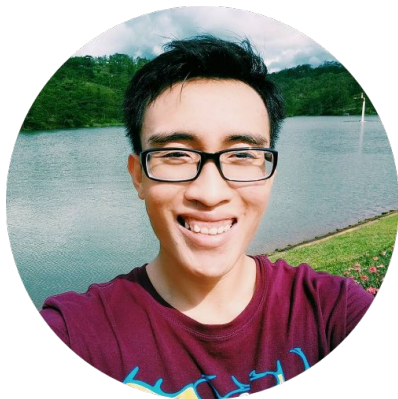# Top tech for web development in 2019

Hoang Nguyen aka @codeaholicguy

Who am I?

Hoang Nguyen
Over 6 years full-stack experience

Codeaholicguy

codeaholicguy.com

Senior Software Engineer

/codeaholicguy

/codeaholicguy

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Before we start

This is totally my opinion.

Why are we here?

Which learning topics will give you the highest chance of a return on the time you invest learning them as my point of view?

Software ate the world, the web ate software, and JavaScript ate the web.
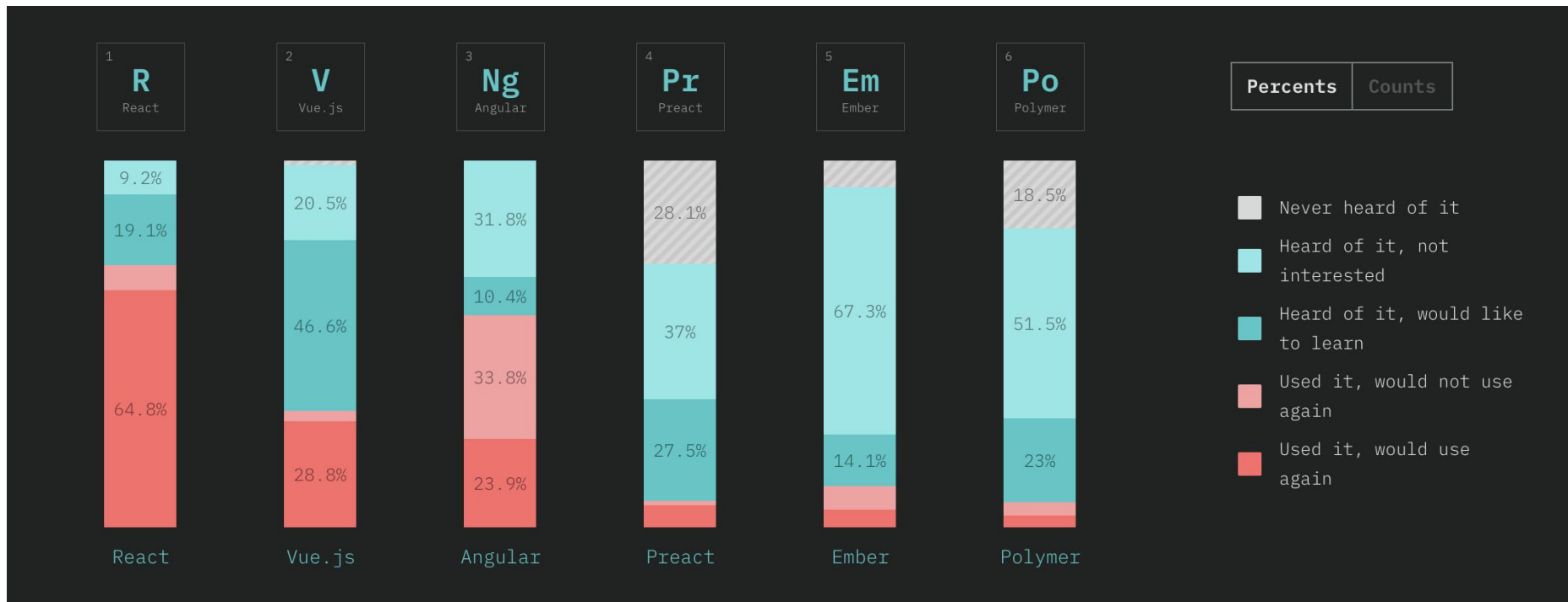
React is eating JavaScript!

Image from https://2018.stateofjs.com/

Image from Google Trend

Apr 15 - Apr 21 2018

react 51
jquery 51

Most liked aspects of React among developers who picked "used it and would use again".

Image from https://2018.stateofjs.com/

Most liked aspects of React among developers who picked "used it and would use again".

	0.0	1.0k	2.0k	3.0k	4.0k	5.0k	6.0k	7.0k	8.0k	9.0k

⚙️ Elegant programming style & patterns

🎁 Rich package ecosystem

🏛️ Well-established option

📖 Good documentation

⚡ Fast performance

🔧 Powerful developer tooling

👫 Backed by a great team/company

🕹️ Full-featured & powerful

📈 Growing momentum/popularity

🐞 Robust, less error-prone code

👶 Easy learning curve

🎈 Simple & lightweight

⚖️ Stable & backwards-compatible

0	1000	2000	3000	4000	5000	6000	7000	8000	9000
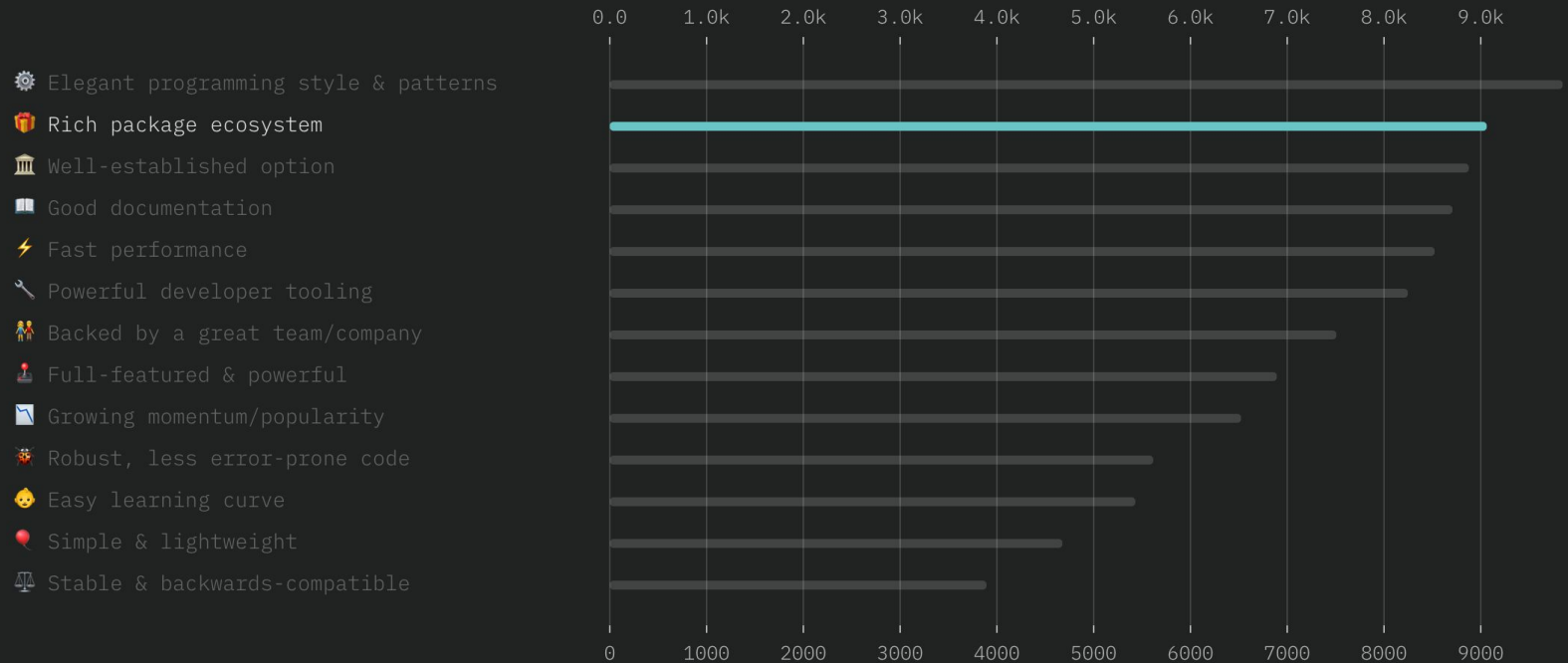
Image from https://2018.stateofjs.com/
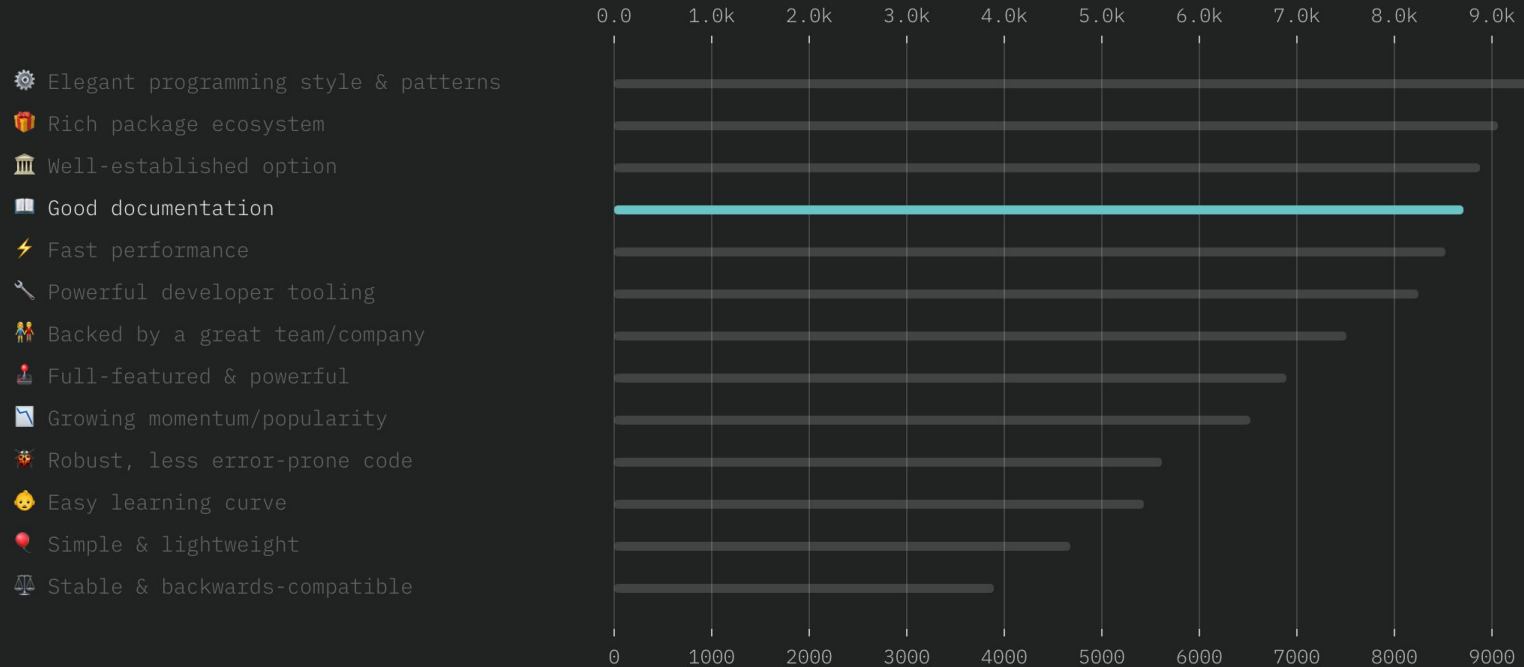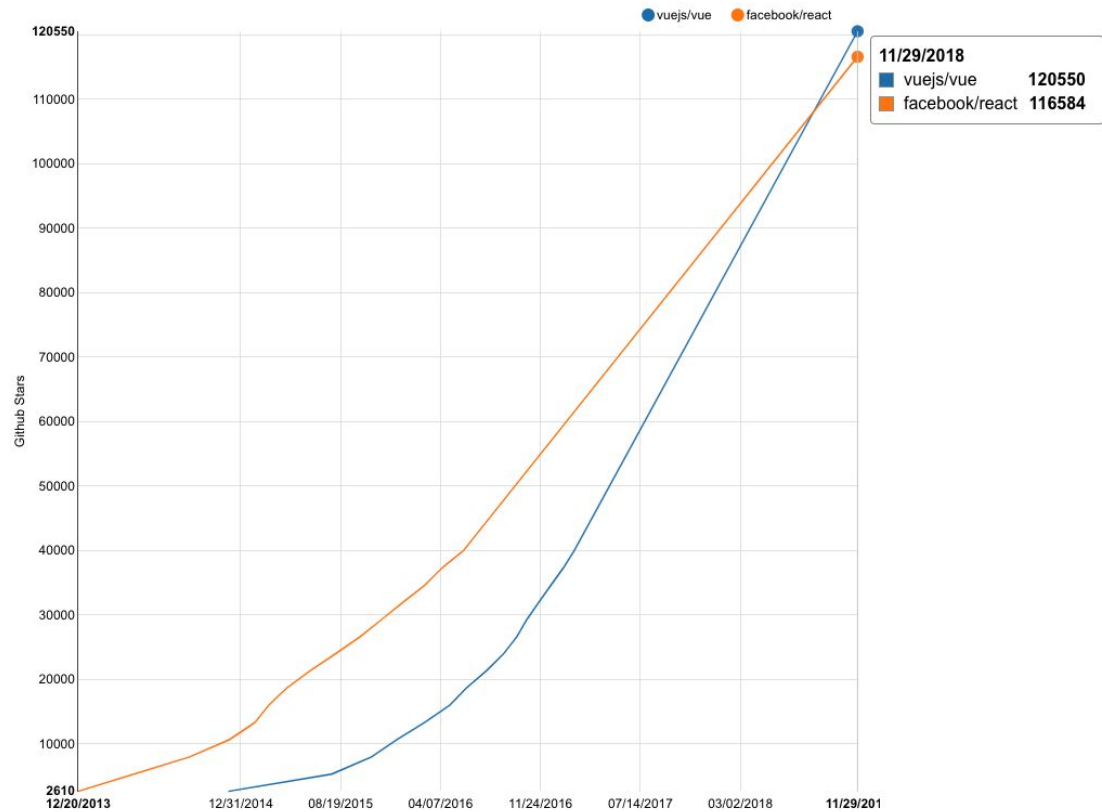
I heard Vue.js is hot

Image from Github

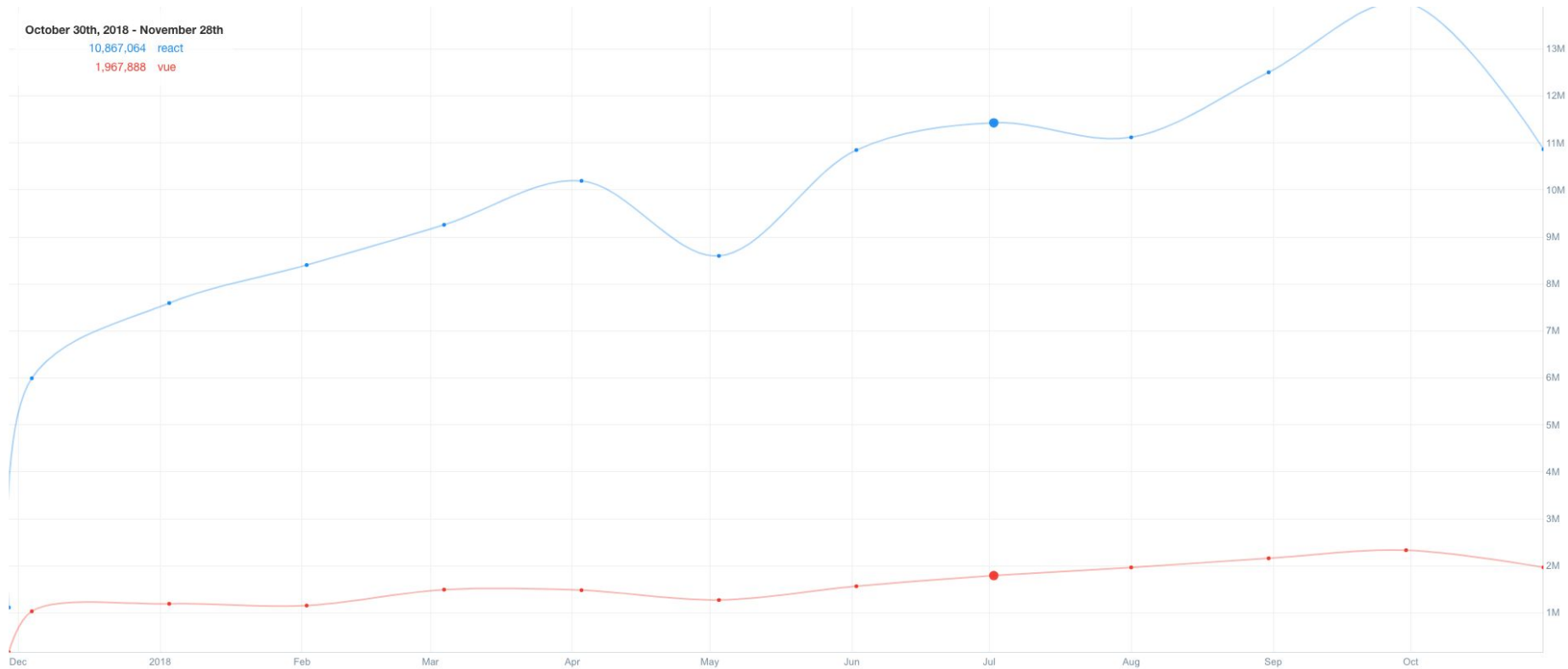There are no compelling evidence that motivated people to switch from React to anything else.

- Me

October 30th, 2018 - November 28th
10,867,064   react
1,967,888   vue

Image from NPM

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Most liked aspects of Vue.js among developers who picked "used it and would use again".
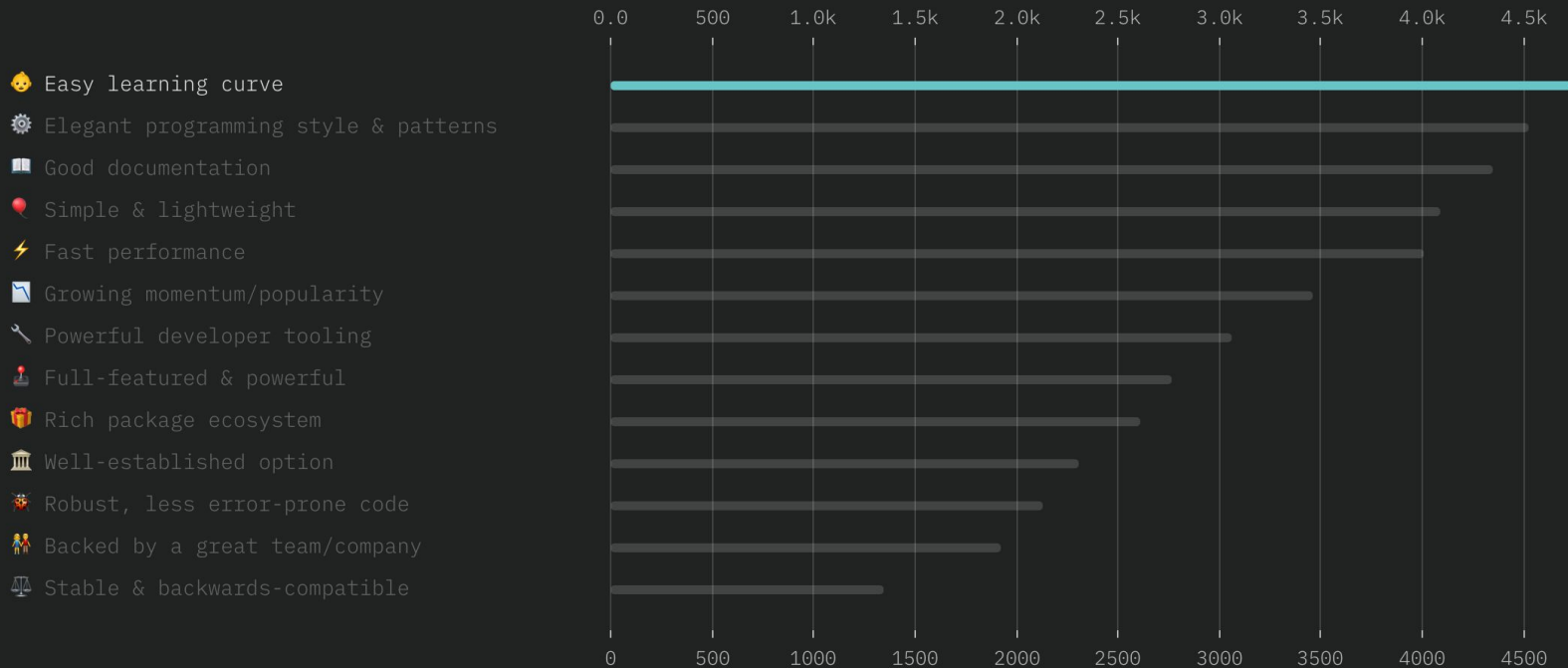
Image from https://2018.stateofjs.com/

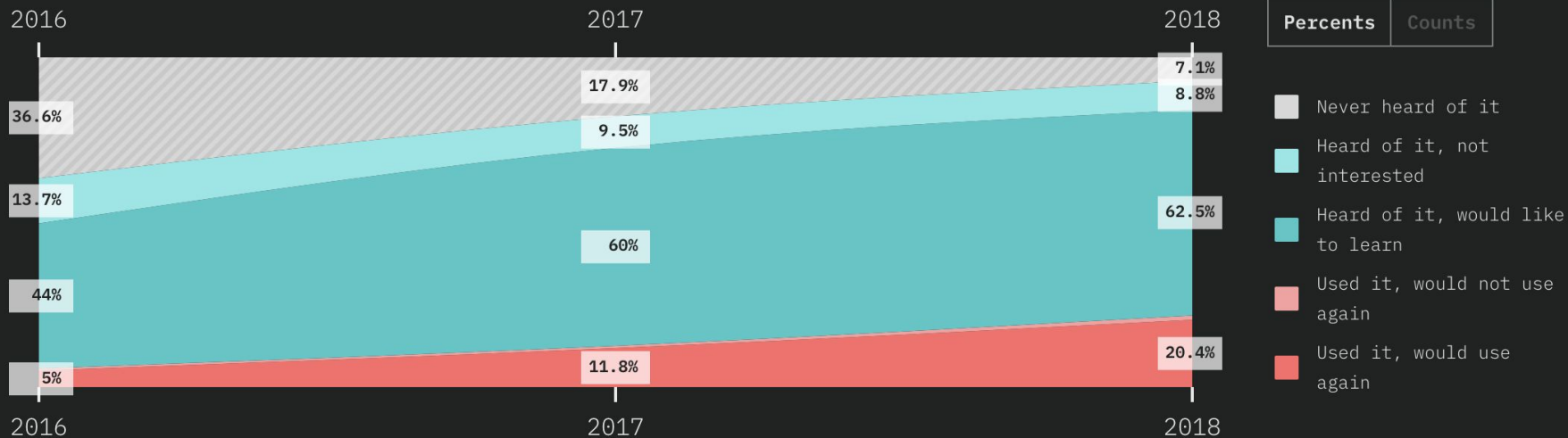GraphQL starts making bigger and bigger waves.

GraphQL's Popularity Over Time

Most Disliked Aspects of GraphQL [Share]

Most disliked aspects of GraphQL among developers who picked "used it and would *not* use again".

	0.0	10	20	30	40	50	60	70	80	90	100	110

🎈 Bloated & complex
⚙️ Clumsy programming style
👶 Hard learning curve
📖 Bad documentation
🔧 Lacking developer tooling
🕹️ Limited & lacking in features
⚡ Poor performance
👫 Concerns about the team/company
🏛️ New untested option
🐛 Buggy, error-prone code
⚖️ Fast-changing & breaks often
🎁 Small package ecosystem
🗾 Diminishing momentum/popularity

Image from https://2018.stateofjs.com/
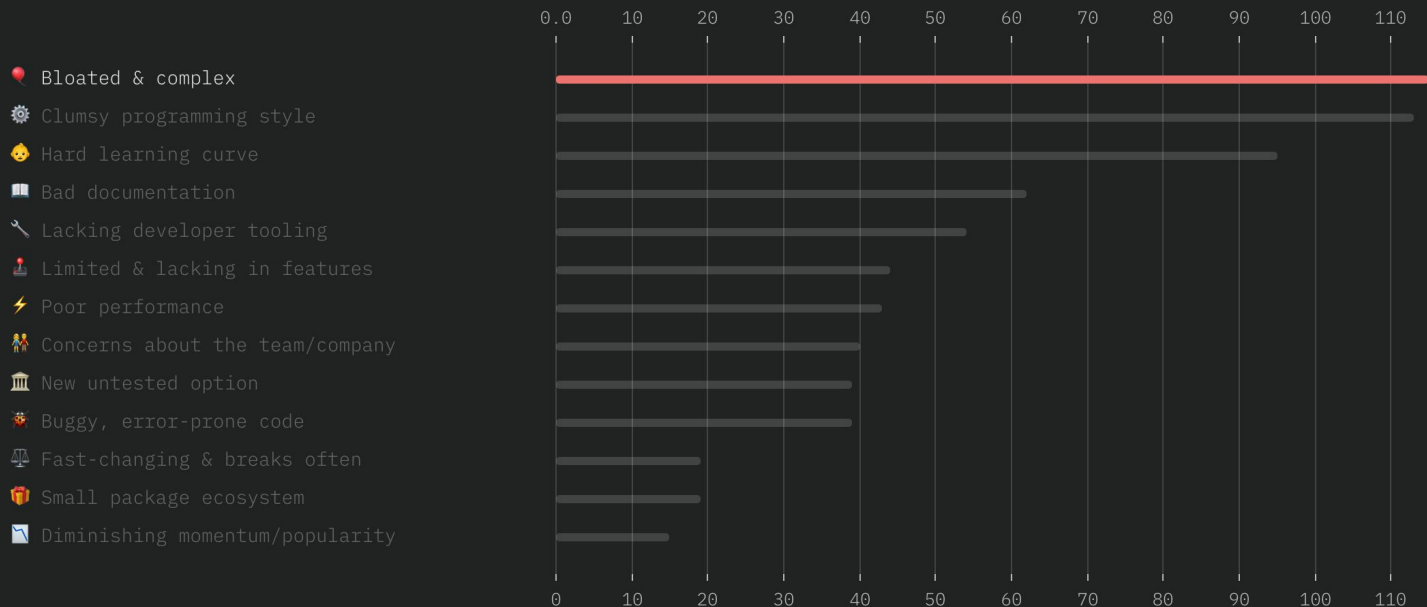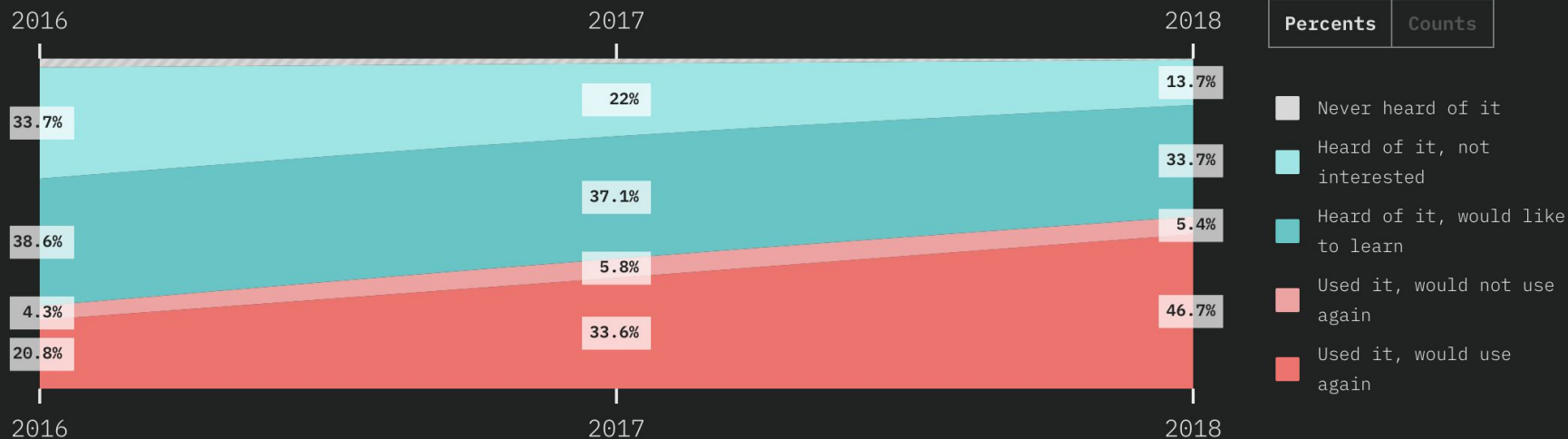
TypeScript did well.

TypeScript's Popularity Over Time

Type checking becomes more important.

Most Liked Aspects of TypeScript [Share]

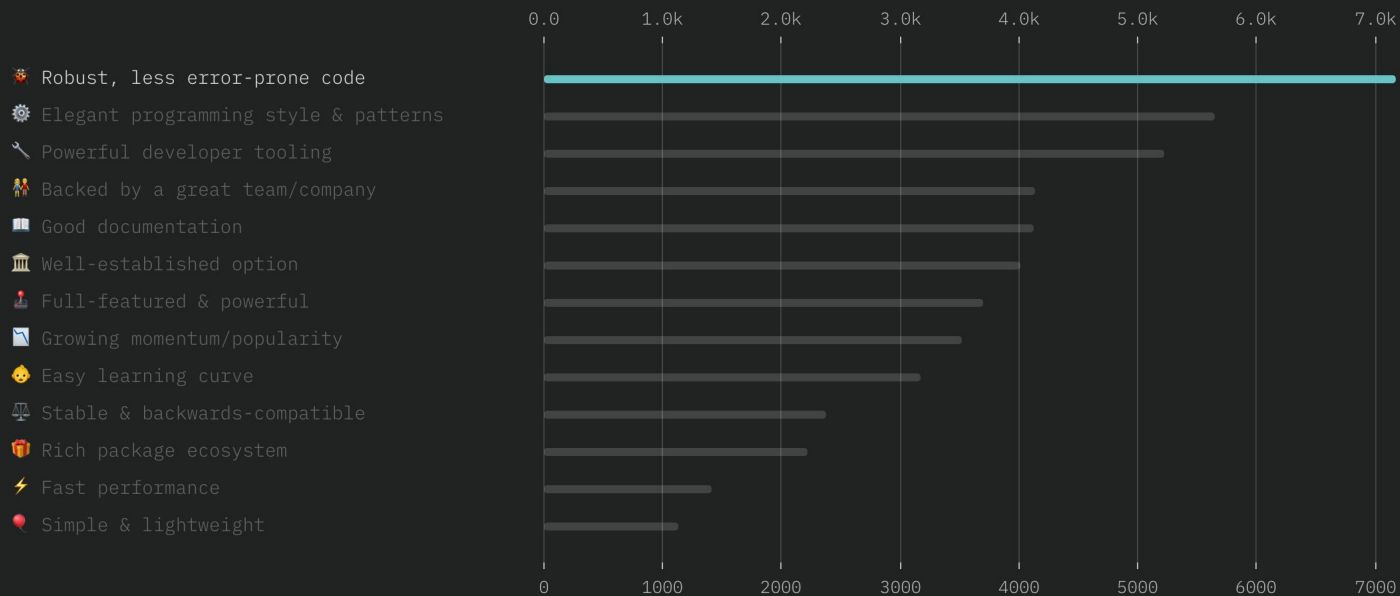Most liked aspects of TypeScript among developers who picked "used it and would use again".

	0.0	1.0k	2.0k	3.0k	4.0k	5.0k	6.0k	7.0k
🐞 Robust, less error-prone code								
⚙️ Elegant programming style & patterns								
🔧 Powerful developer tooling								
👭 Backed by a great team/company								
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🏛️ Well-established option								
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🗾 Growing momentum/popularity								
👶 Easy learning curve								
⚖️ Stable & backwards-compatible								
🎁 Rich package ecosystem								
⚡ Fast performance								
🎈 Simple & lightweight								

0   1000   2000   3000   4000   5000   6000   7000

Image from https://2018.stateofjs.com/

Tech to watch.

Progressive Web Apps

The key characteristics of PWAs are that they look and feel like native mobile apps.

WebAssembly

Browser support, dev tooling and specifications on track.

That's it.

/codeaholicguy

/codeaholicguy

THANK YOU

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