



A little bit about me...



Viral Shah

TECHNICAL LEAD

I am a Full-Stack Developer at Ugam. I have 6 years of total experience in Software development industry. I have made multiple Web-apps using various front end frameworks. Apart from that, I have developed scalable solutions in Retail Analytics space using BigData, Machine Learning & NLP

Technical Skills

BigData - HBase, Hadoop, GraphDB, Elasticsearch, Redshift

Javascript - ReactJS, NodeJS, AngularJS, Chrome Extensions, JQuery

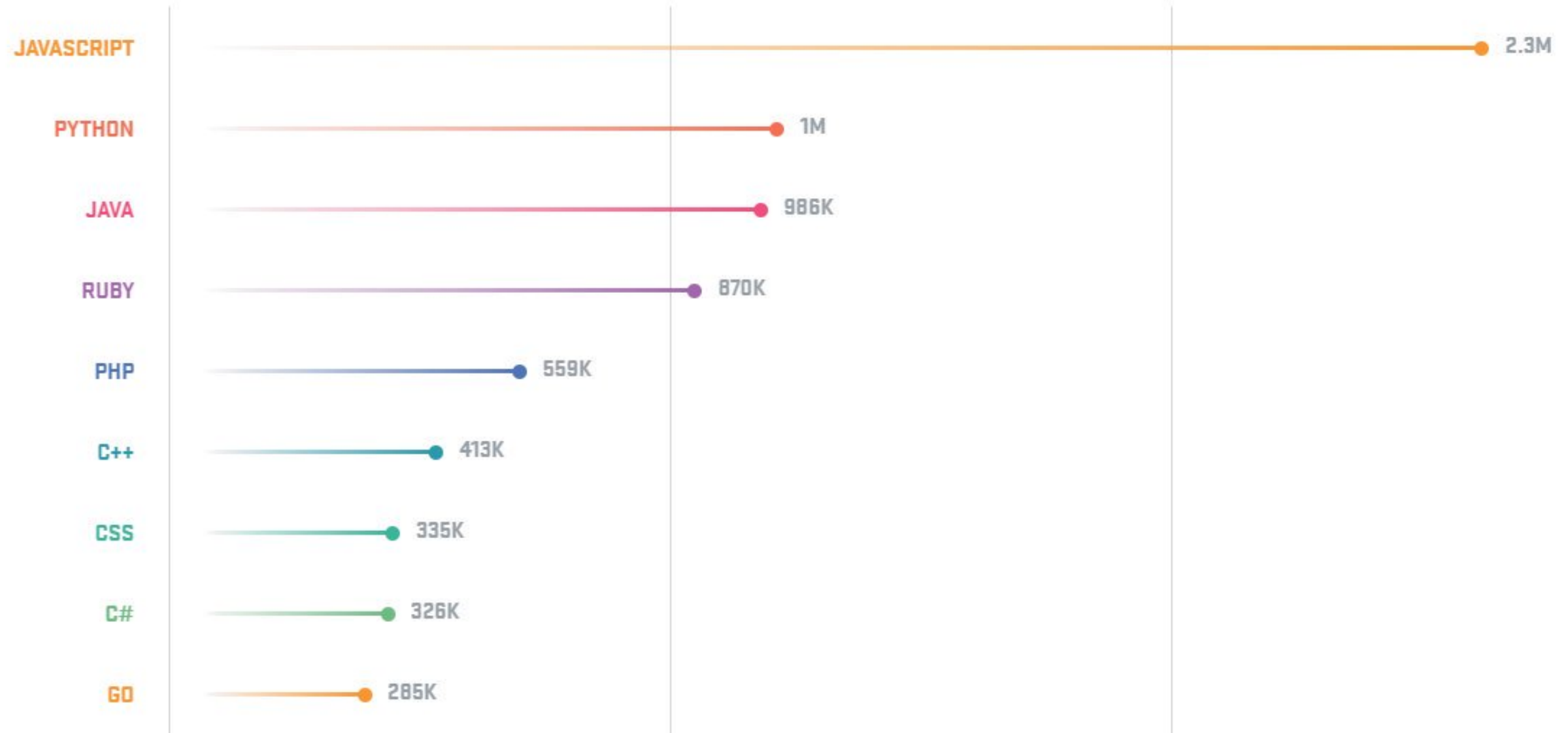
Java - Spring, Dropwizard, JSP

Misc - AWS, Storm, Kafka, Python

Education - Bachelor's of Engineering (IT)

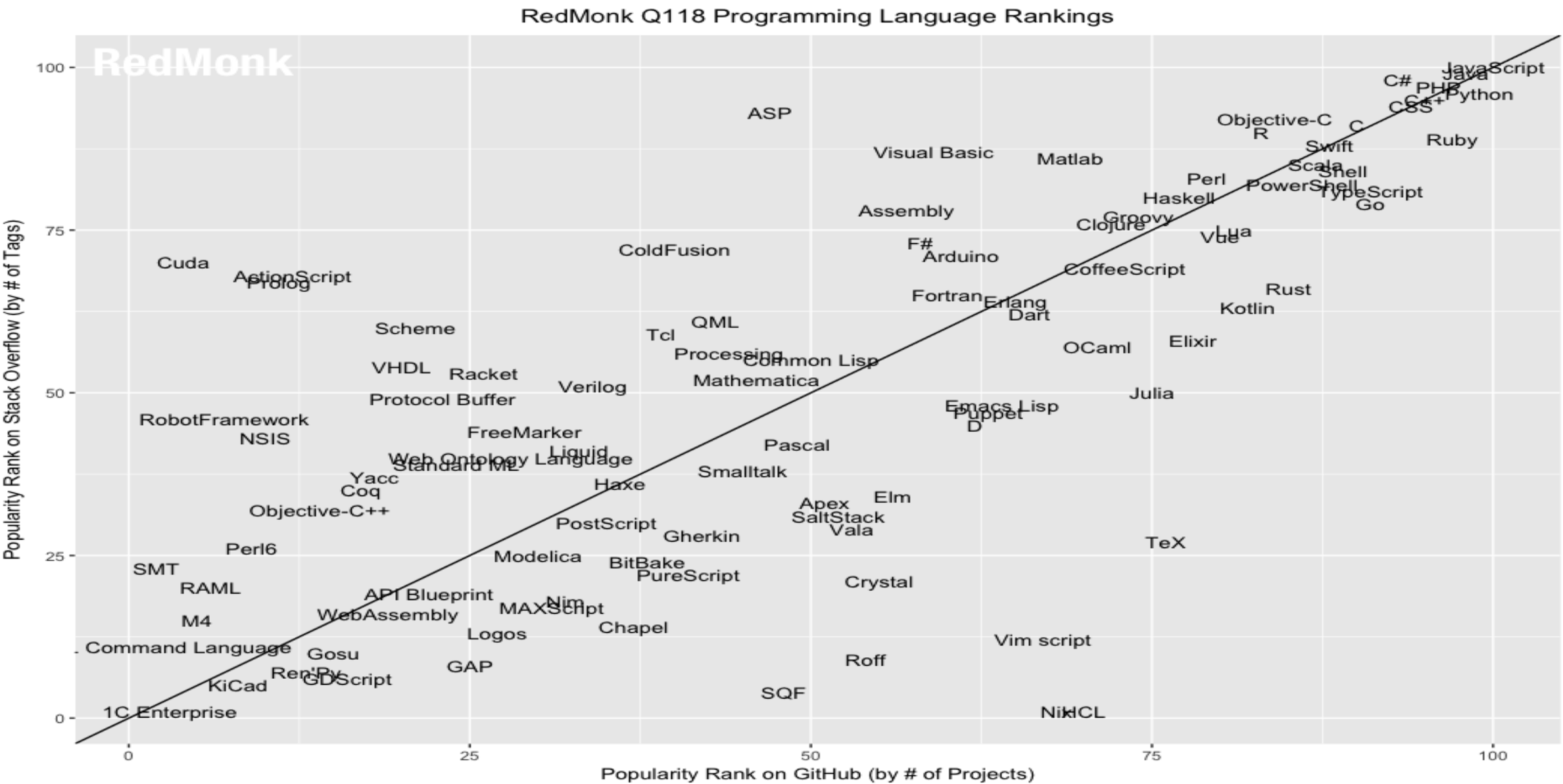
Github trends

Octoverse 2017 



Redmonk Trends

Redmonk 2018 



Why is Javascript so popular ?

- *"One language to rule them all"*
(frontend, backend, mobile apps, desktop apps)
 - SPA and PWA
 - Browsers have become fast!
- And...

Have you seen **ES2016, ES2017** ?

*Arrow functions, default params, async-await, destructuring,
rest, spread...*



Try BABEL REPL <https://babeljs.io/repl/> 

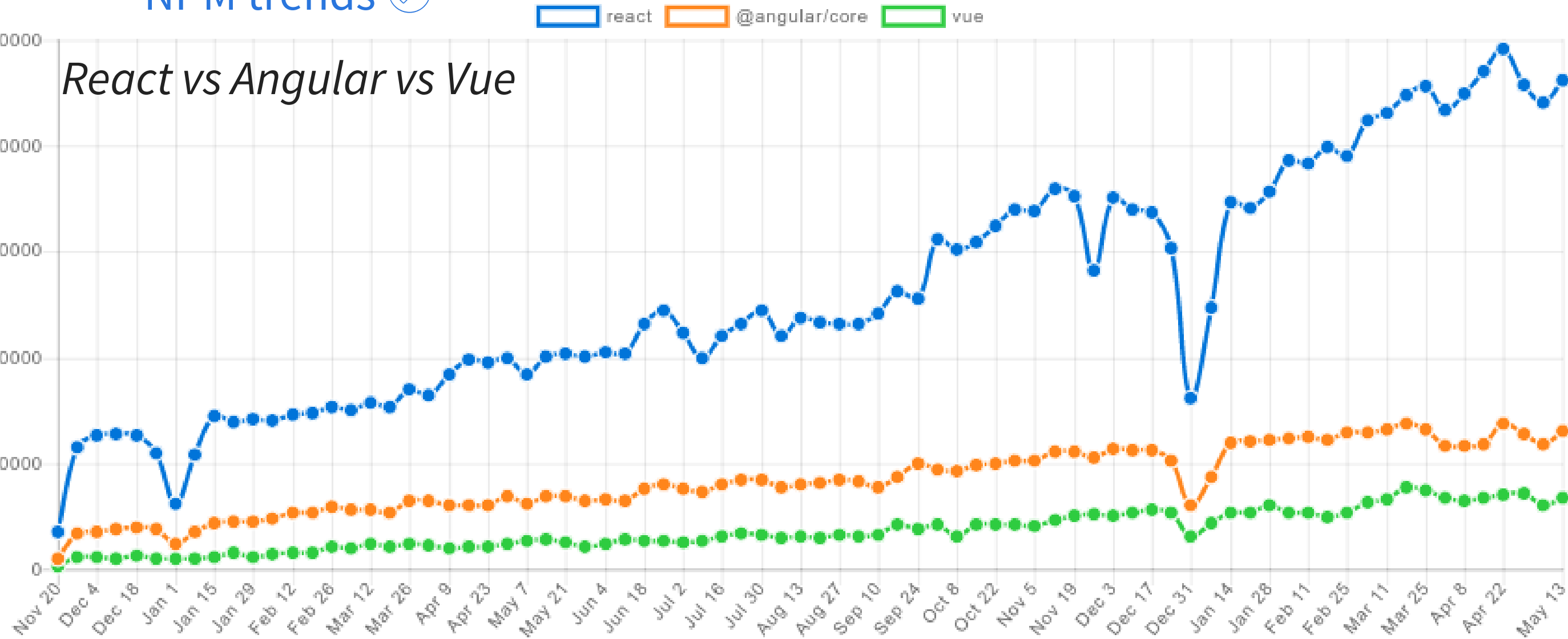
Learning Javascript Nowadays...



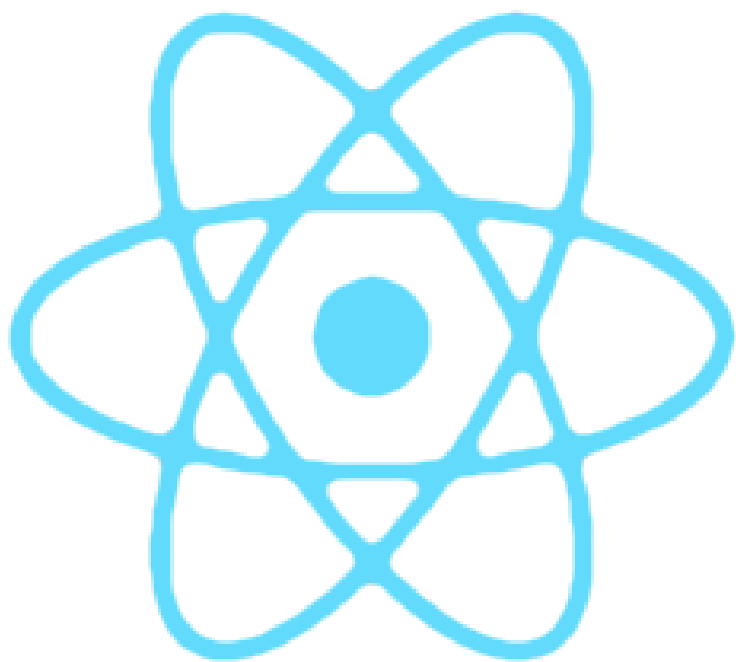
Credits: [Jonas Bandi https://medium.jonasbandi.net/the-web-is-crazy-a11f31753544](https://medium.jonasbandi.net/the-web-is-crazy-a11f31753544)

NPM trends

React vs Angular vs Vue



Let's Talk



React

A declarative, efficient, and flexible JavaScript library for building user interfaces.

- React team

React's true strengths: composition, unidirectional data flow, freedom from DSLs, explicit mutation and static mental model.

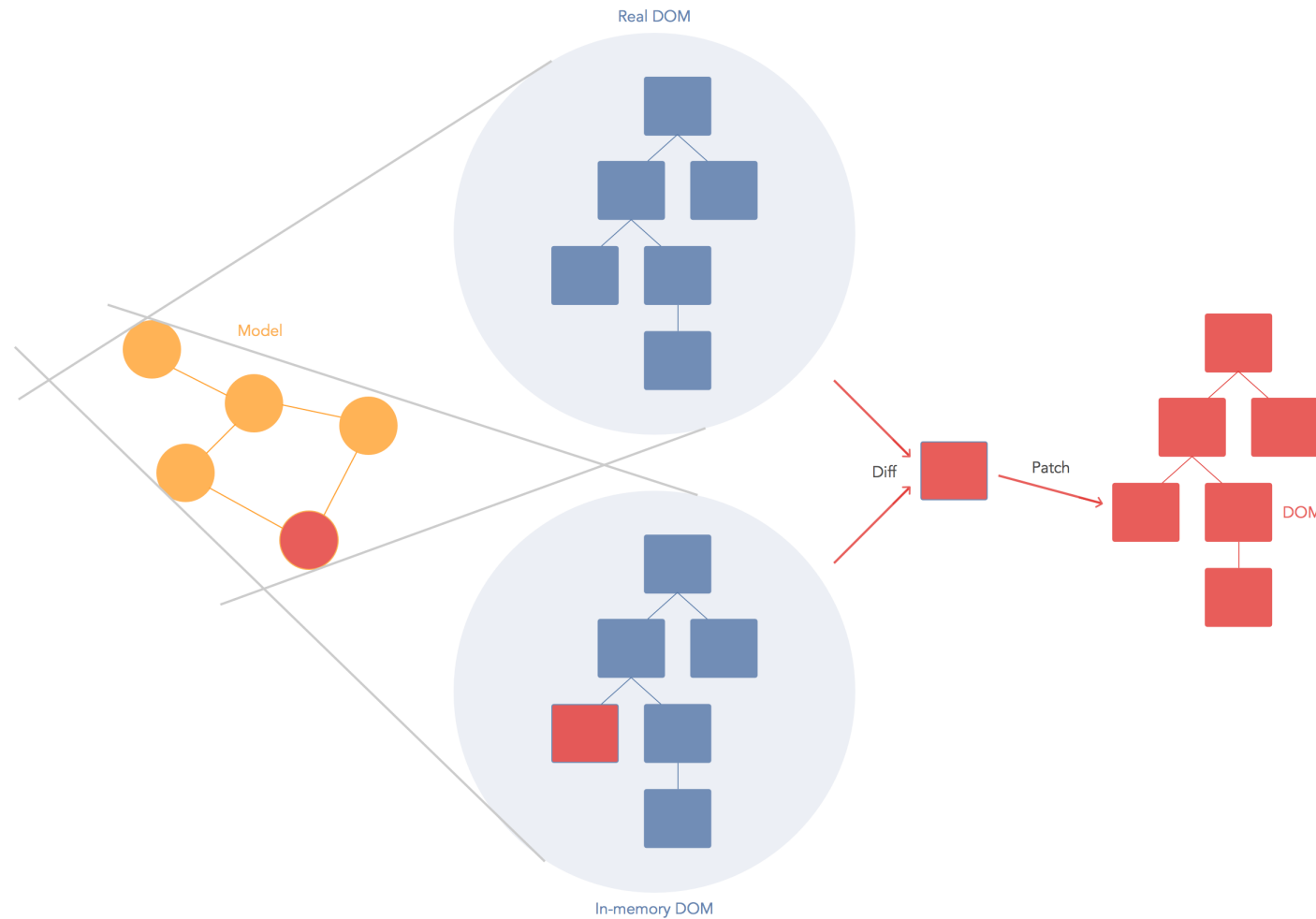
- Dan Abramov (Co-author of Redux and Create React App)

React in simple words

- React App is all about **Components** . It's a **Tree of Components** !
- Follow **Flux** architecture - What the Flux is Flux ?
- **State** - The place where all your data resides
- **Props** - The way to pass data from parent to child components
- **React** will *react to state changes*

Rest is... MAGIC!

MAGIC is also known as **Virtual DOM**



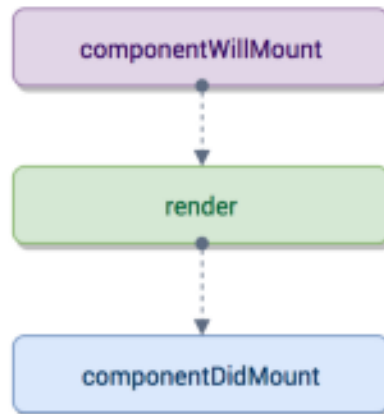
Credits: Auth0 <https://auth0.com/blog/face-off-virtual-dom-vs-incremental-dom-vs-glimmer/>

"Life of a Component"

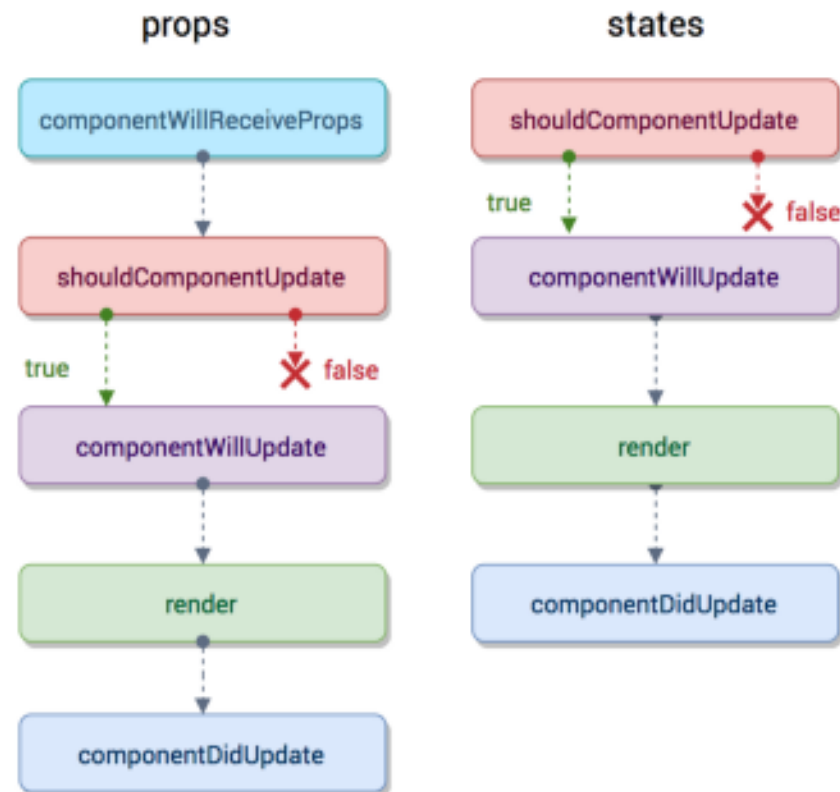
Initialization

setup props and state

Mounting



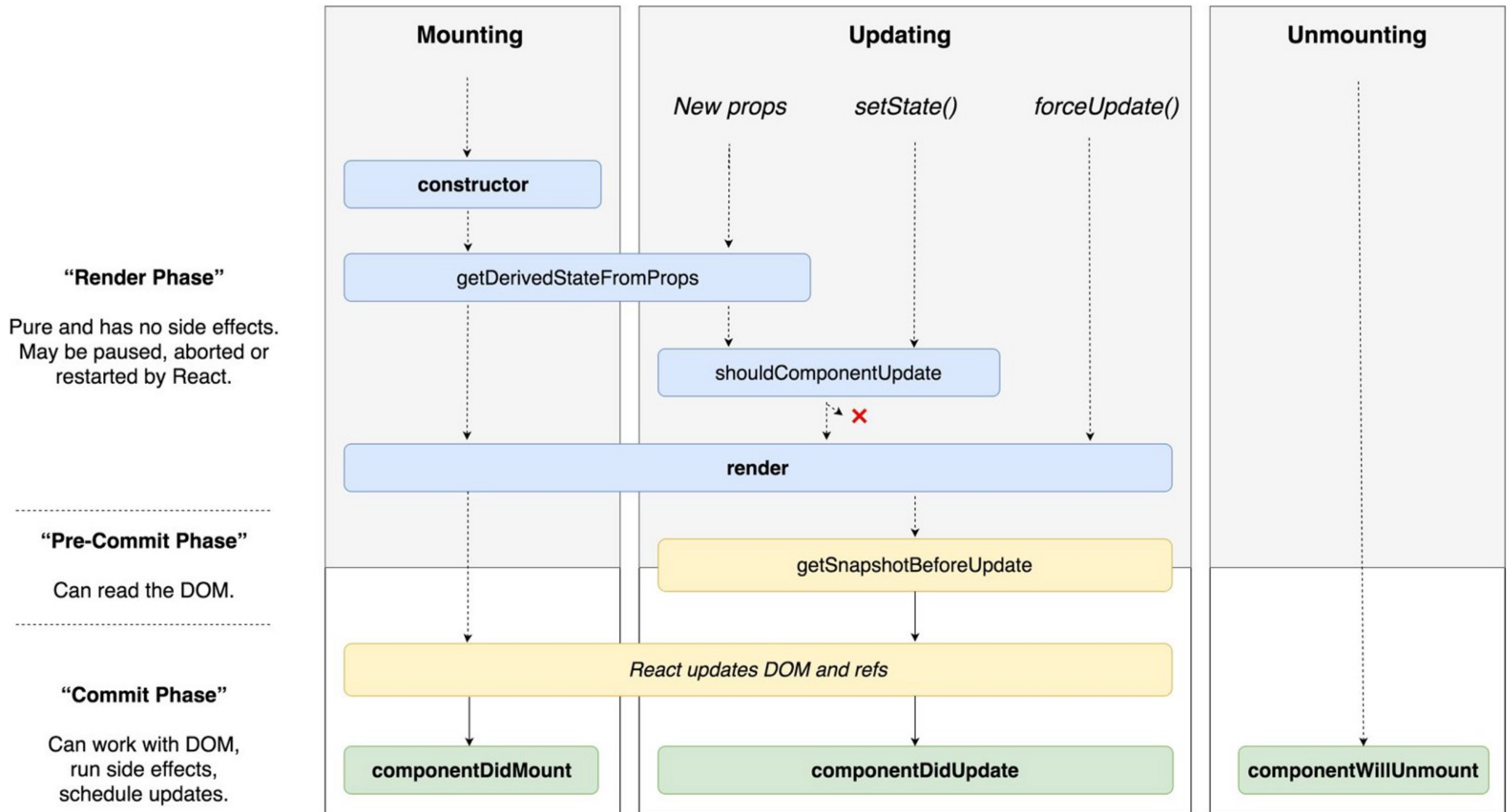
Updation



Unmounting

componentWillUnmount

"Life after React 16"



Component Patterns

- Pure Component
- Stateful vs Stateless Component
- Container vs Presentational Component
- Stateless Functional Component
- Higher Order Component (HOC)

Things not to do in React



Future of React





Source Code @ <https://github.com/viral-sh/stock-overflow>