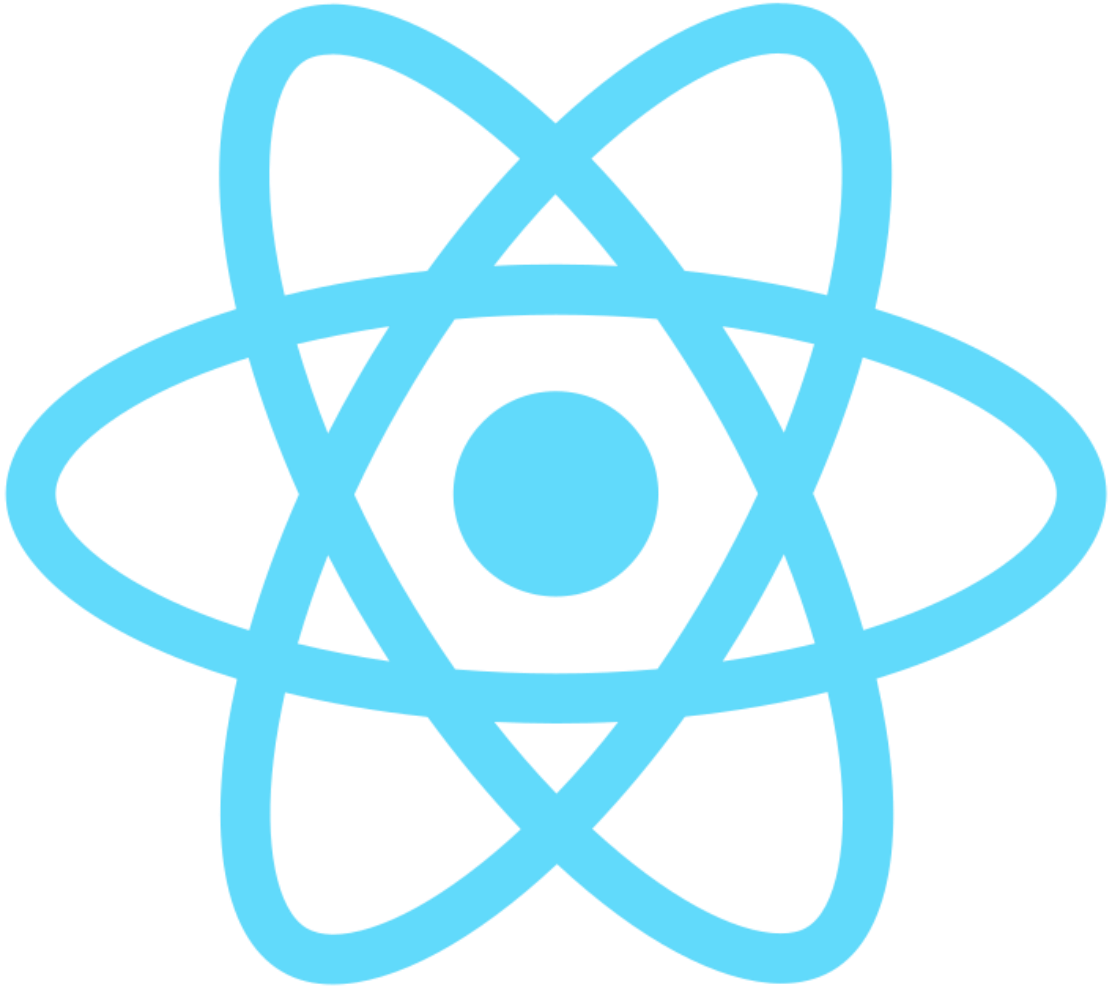


Reactjs & React Native Course

By Hamidreza Nazemi

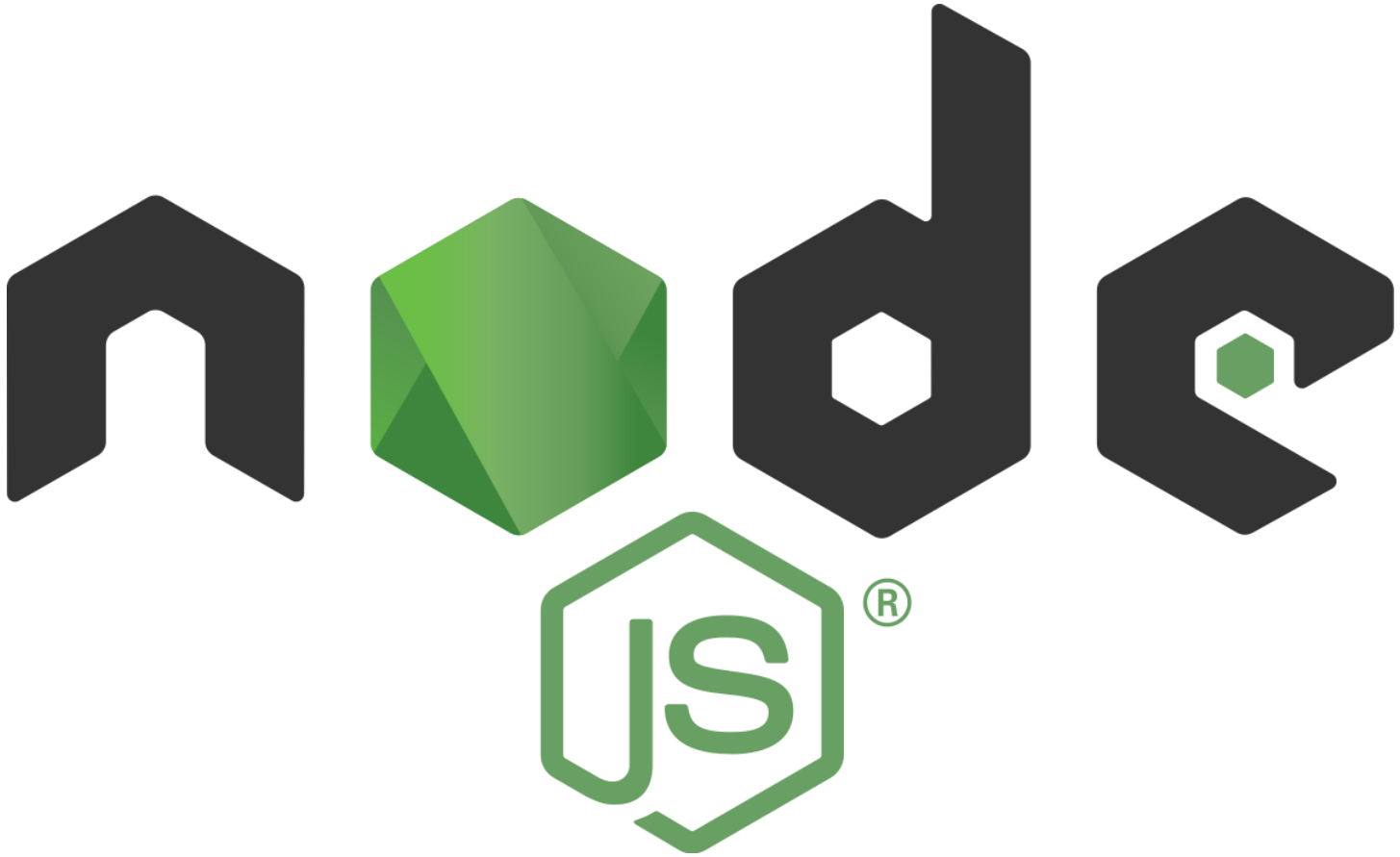
What is Reactjs?

A JavaScript library for building User Interface.

One Step Back…

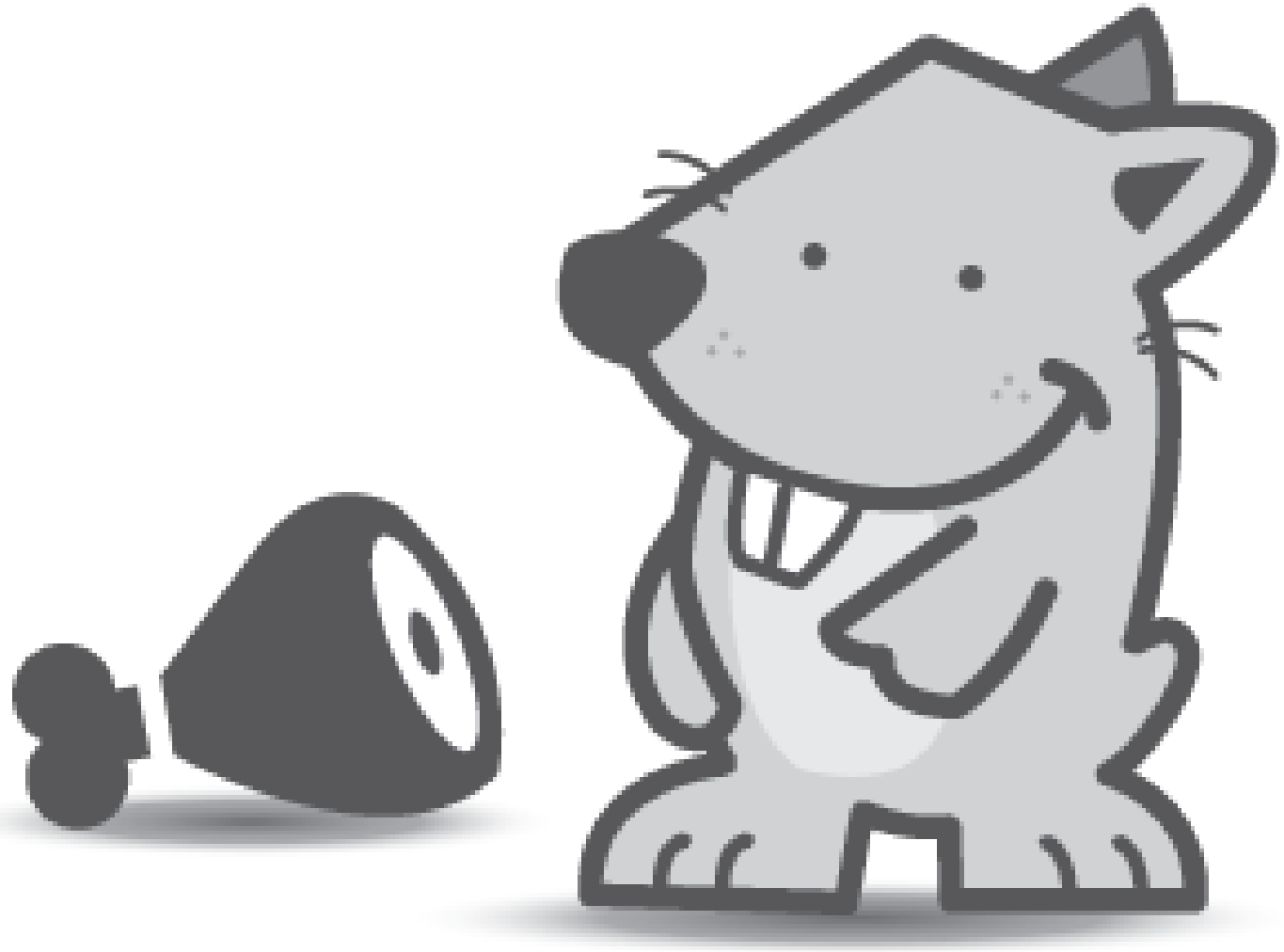
What is
JavaScript ?

One Step Back…



Executes JS code outside of a browser

JavaScript is not Java.



From 1997 JS became an ECMA standard. Official name is ECMAScript.

ES9 is latest

What developer do before React?

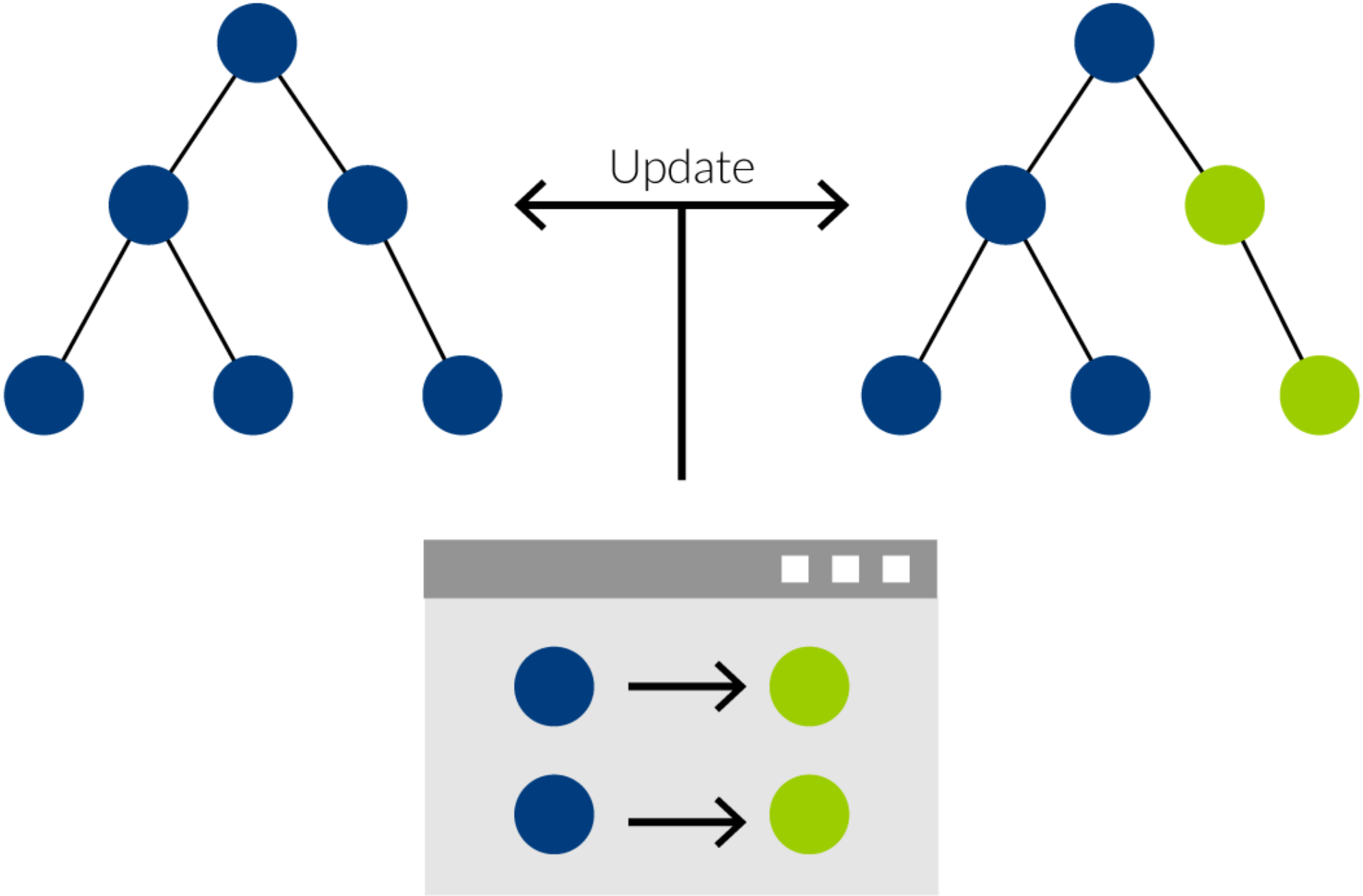
Use some library like Jquery or backbone.js

Web application become complicated,
They need more powerful tool.

React comes with 4 key things

- Don’t touch DOM, I’ll do it.
- Build Your App like lego block.
- One way Data Flow.
- It’s UI, rest is up to you.

Give React components, state, props, then react create virtual DOM and change DOM in best way.


Update

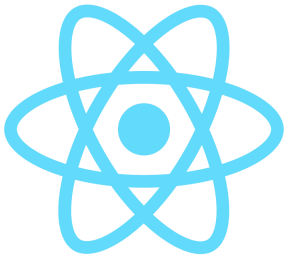
Only React Does These…?

Let’s Compare them

Their background

Release in 2010 By Google

Google and Wix



Release in 2013 By Facebook

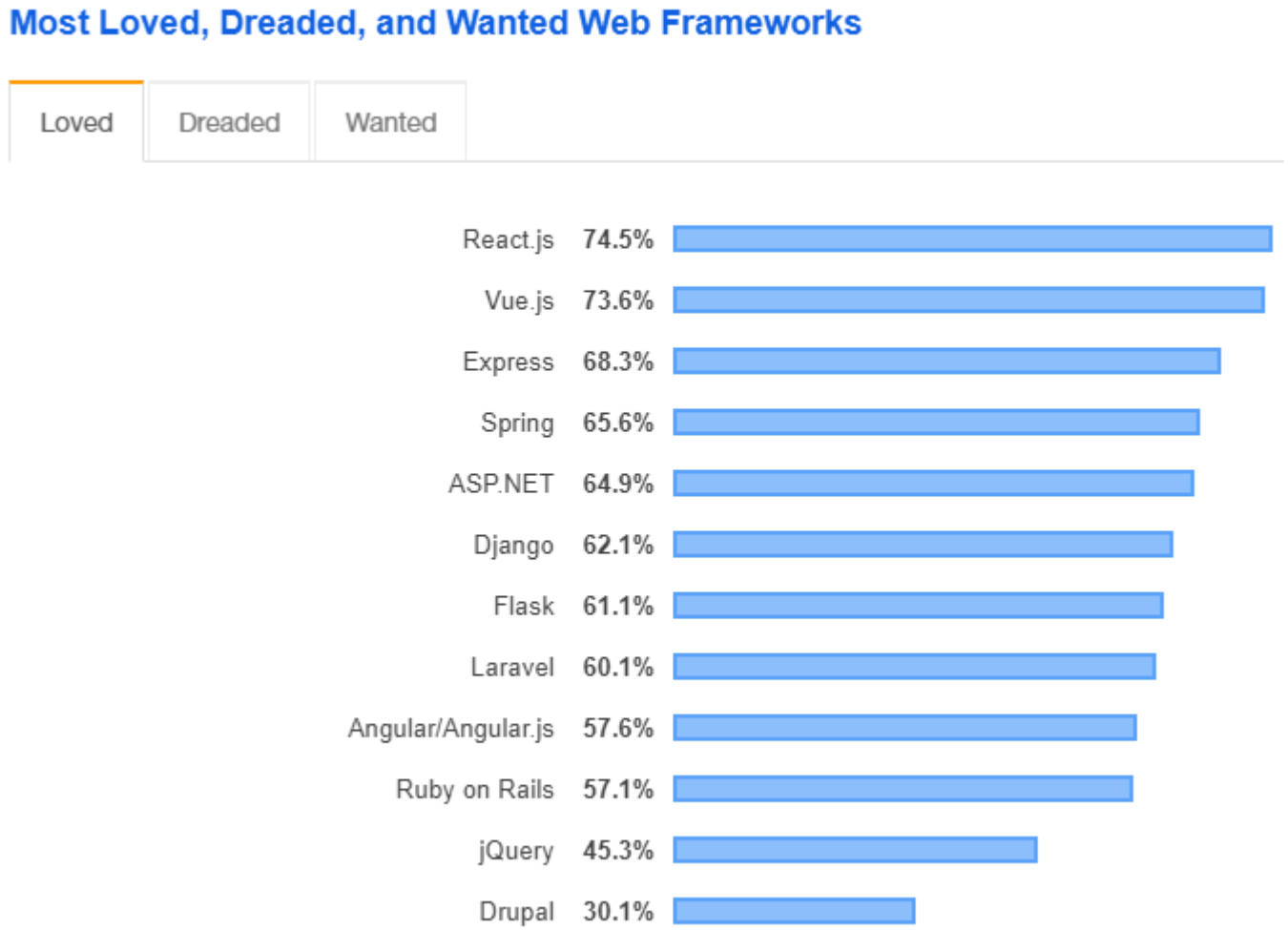
Whatsapp, Instagram, Facebook, Paypal, Twitter

Release in 2014 By Evan You

Gitlab, Alibaba

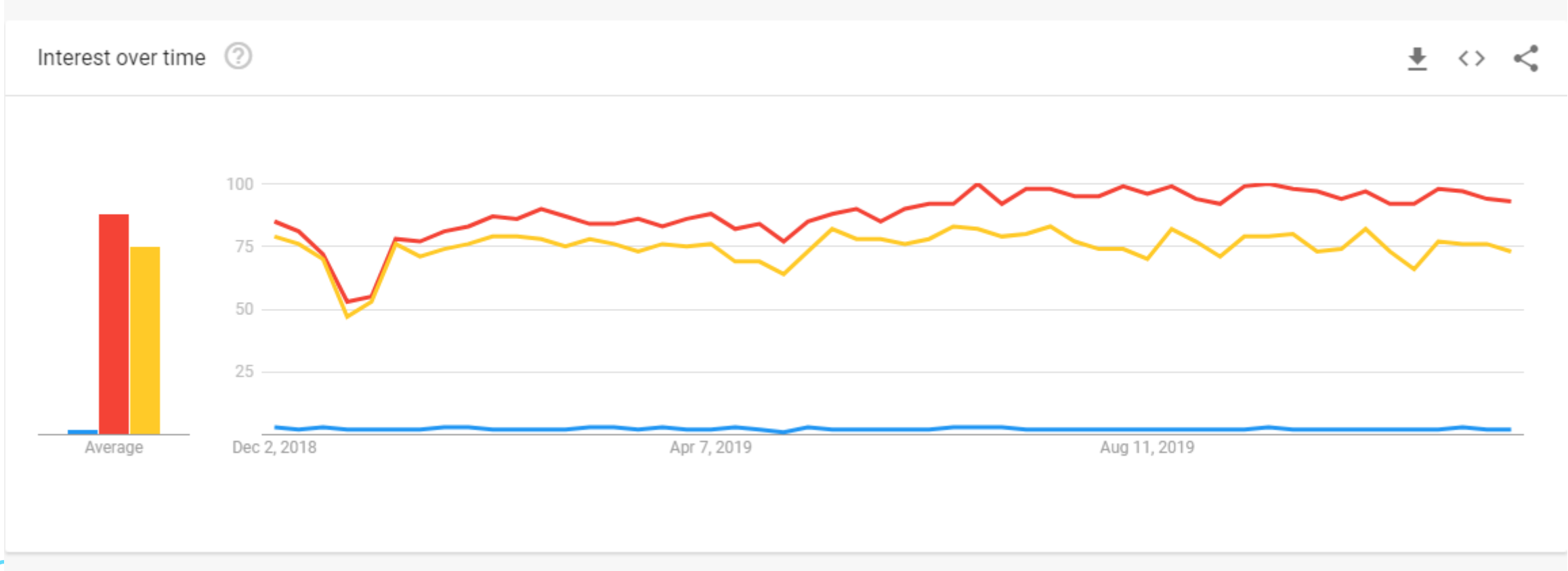
Popularity

1. Stack Overflow



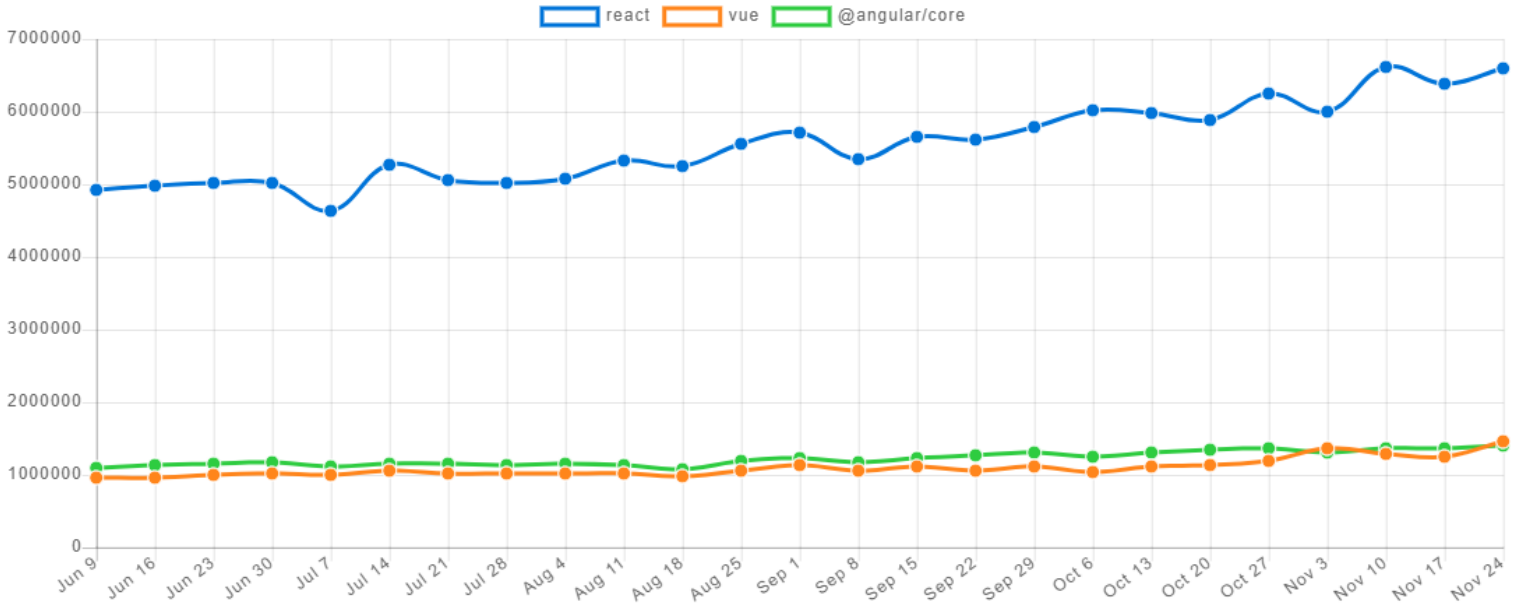
Popularity

2. Google trends



Popularity

3. Npm trends



Stats

	stars	forks	issues	updated	created	size
react	140152	26697	978	Nov 28, 2019	May 24, 2013	minzipped size 2.6 KB
vue	153026	22841	404	Nov 26, 2019	Jul 29, 2013	minzipped size 22.8 KB
@angular/core	54740	15145	3302	Nov 28, 2019	Sep 18, 2014	minzipped size 85.7 KB

Performance

Virtual Dom or Real Dom?

React and Vue use virtual Dom, While angular uses real Dom.

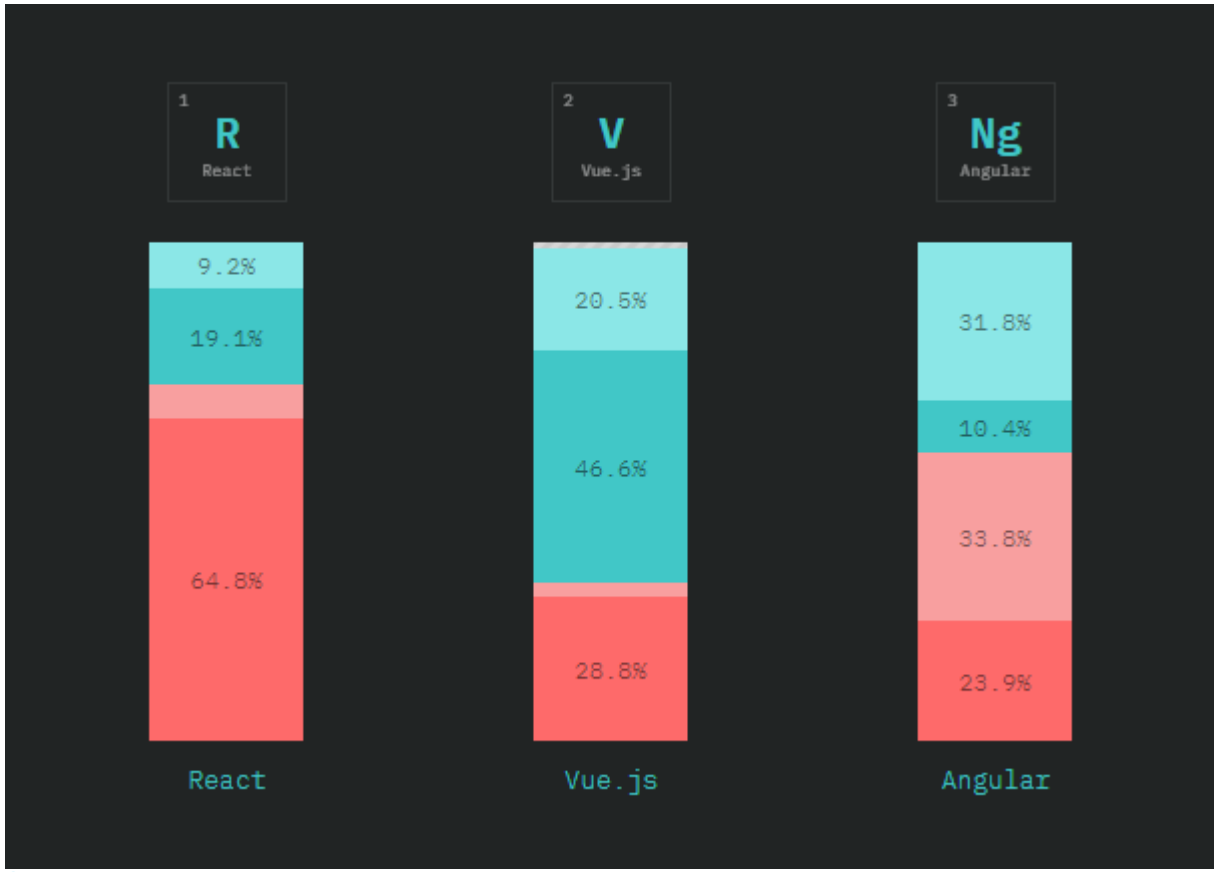
Community

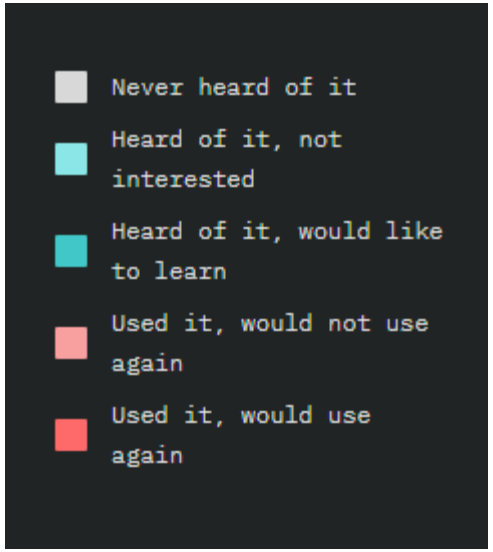
Angular and React has a strong community base with backing from top companies like Facebook and Google. But still, vue is popular in the open-source community.

Learning Curve

Because of TypeScript using Angular for beginners is hard, While vue is more friendly for beginners.

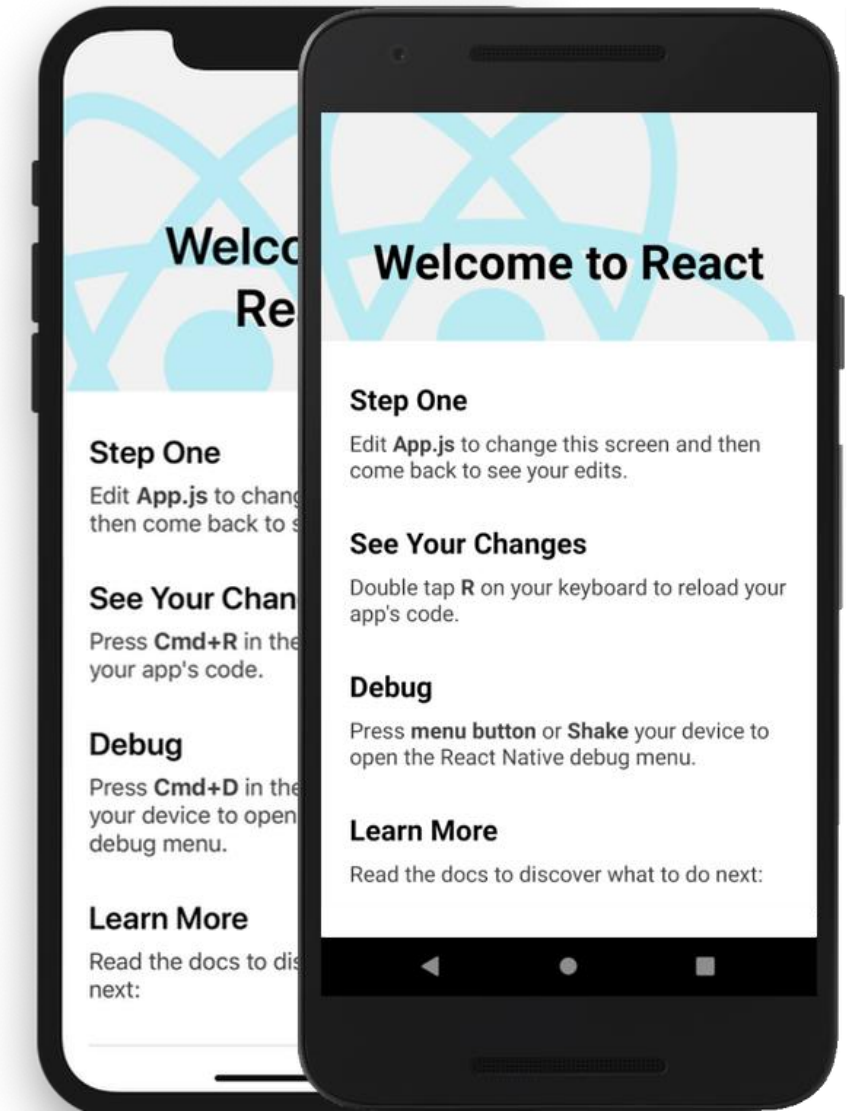
An Interesting comparison





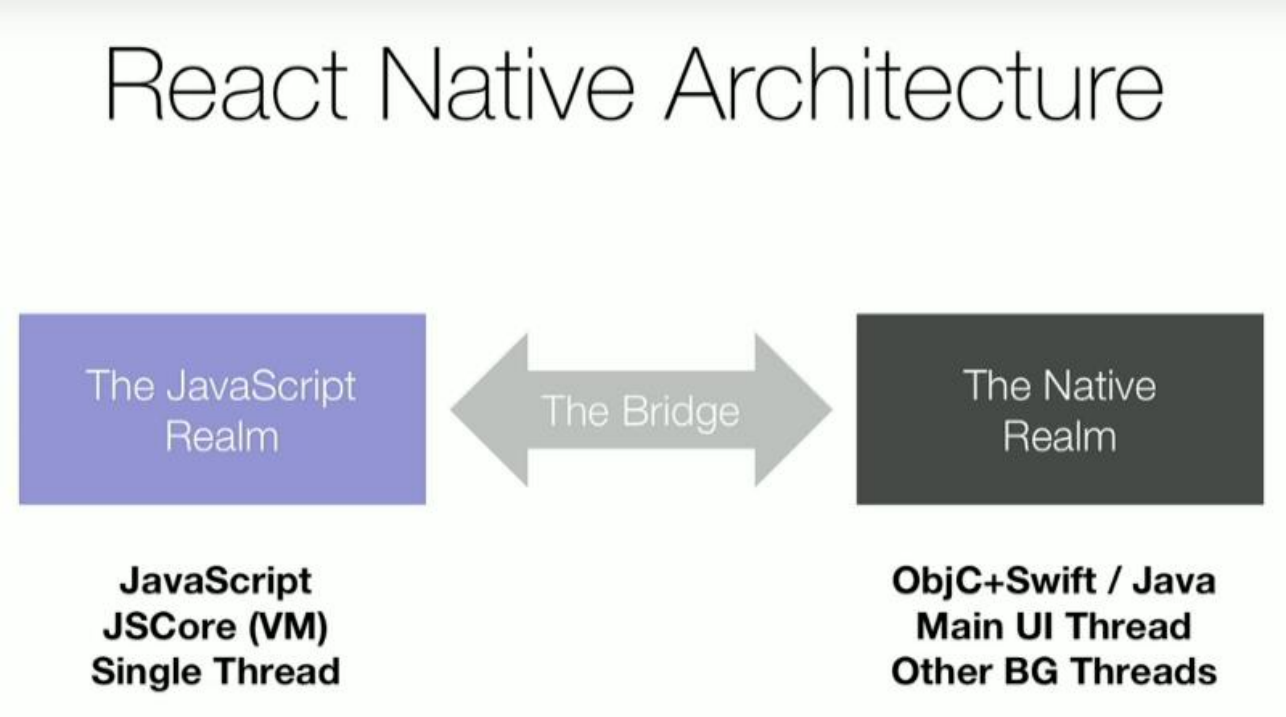
So what make React more popular?

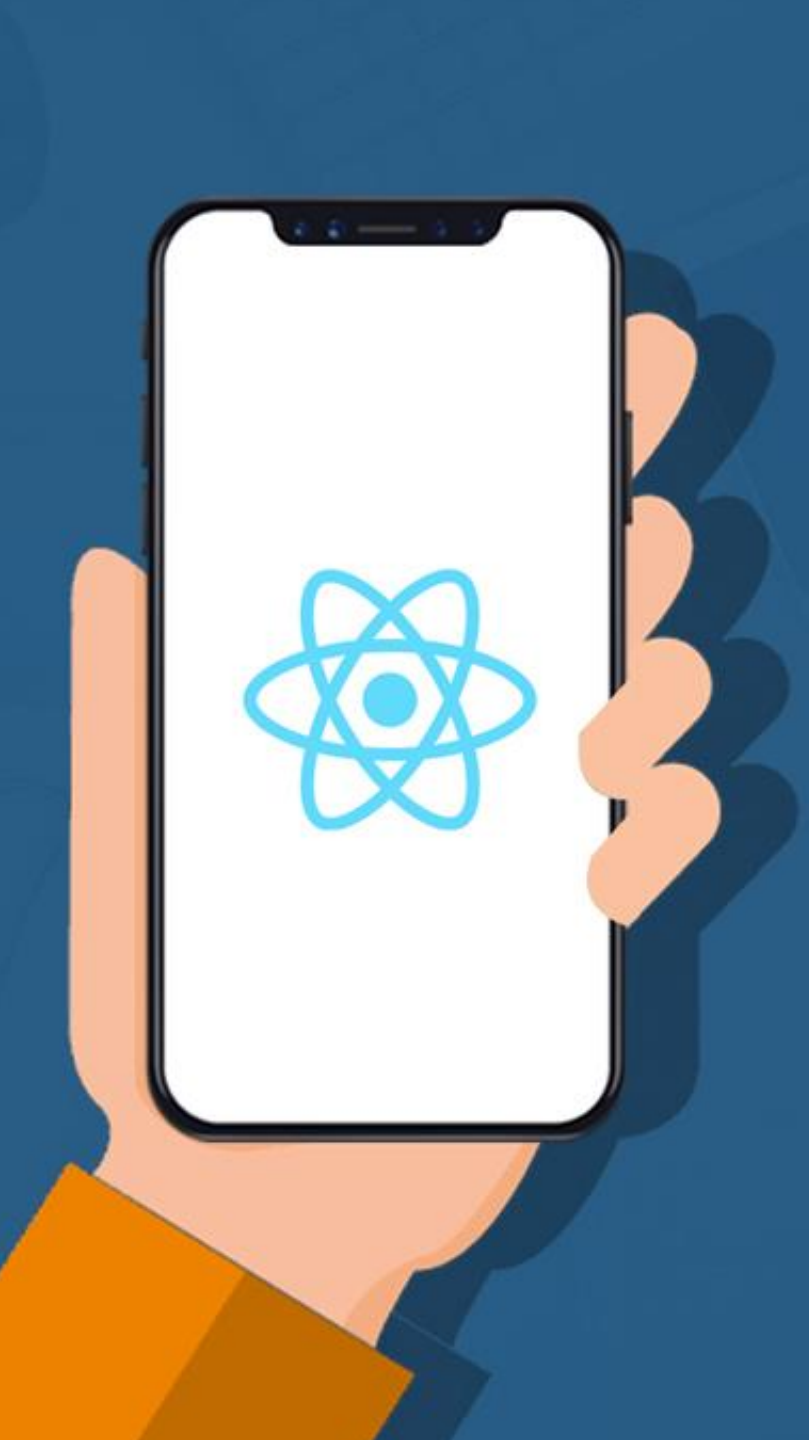
Learn Once, Write anywhere



How React native works?

Written in JavaScript
Rendered with native code





React Native:

Why React Native App development is taking over the App market?

WiX

Job market

React Developer
never be unemployed

What we learn in this course?

- Learn JS Basics
- Learn reactjs
- Blog application with reactjs
- Learn React Native
- Blog application with react native

Course Github repository

https://github.com/Hamidrezana/UT-Reactjs-ReactNative-Course