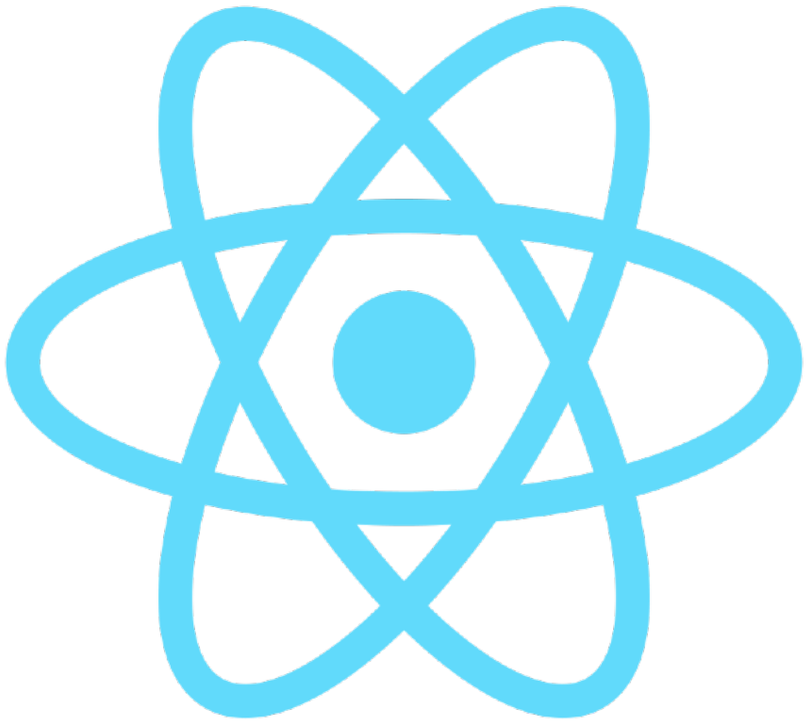


React Native

https://stateofjs.com/2017/mobile/results/

React

A JavaScript library for building user interfaces

- Declarative
- Component-Based
- Lern Once, Write Everywhere

React Native

Build native mobile apps using JavaScript and React

- A React Native app is a real mobile app
- Don’t waste time recompiling
- User native code when you need to

WHY

native apps 👍

- fast
- complex gestures and smooth animations
- consistent with platform

native apps 👎

- different platform / different stacks
- no code sharing
- slow iteration speed

web 👍

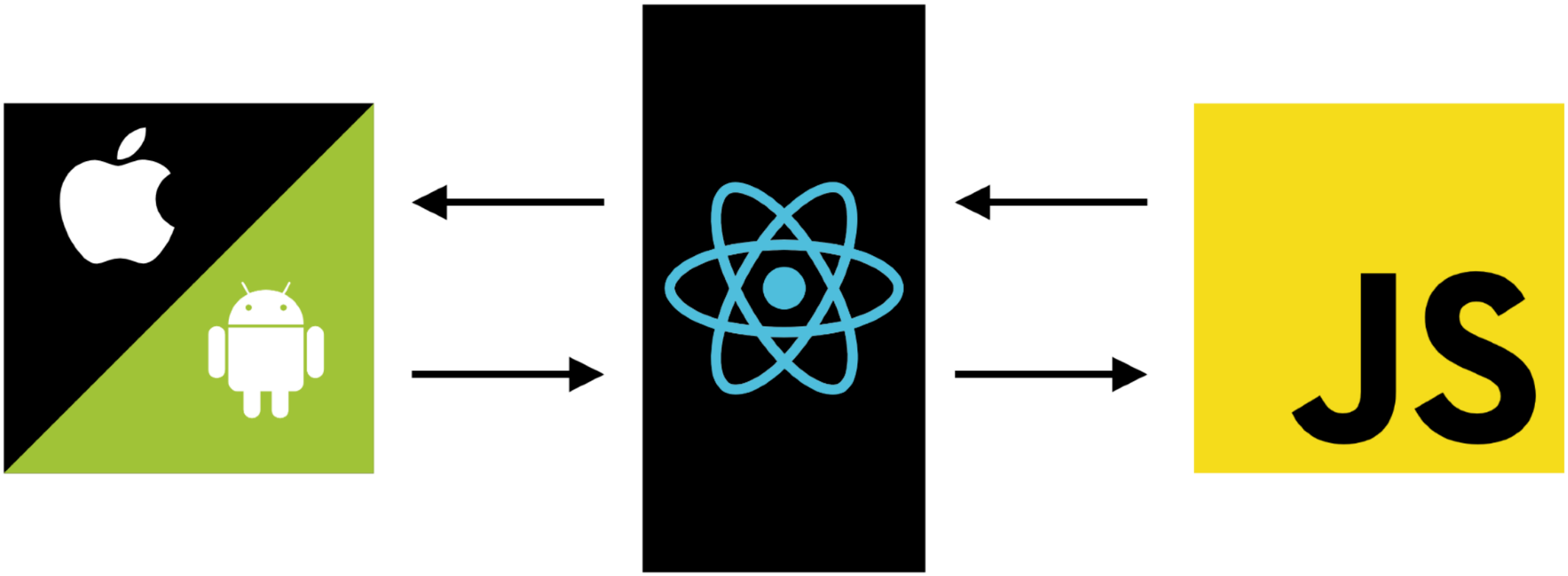
- one stack: HTML / CSS / JS
- code sharing
- fast iteration speed

web on mobile 👎

- hard to provide smooth experience
- not designed for complex interactions
- impossible to embed native components

HOW

~~WEBVIEW~~



Main Bridge JavaScript

Bridge

- Asynchronous
- Batched
- Serializable

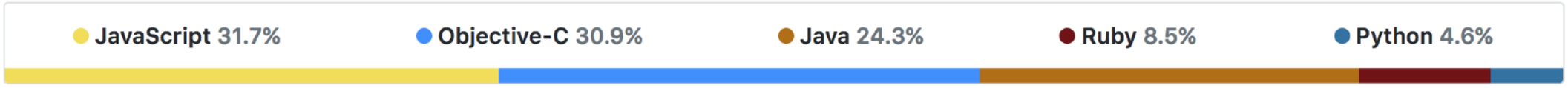
airbnb / **lottie-react-native**

Watch 207 | Star 8,137 | Fork 639

Code | Issues 26 | Pull requests 1 | Projects 0 | Insights

Lottie wrapper for React Native.

bodymovin | animations | react-native | after-effects | react



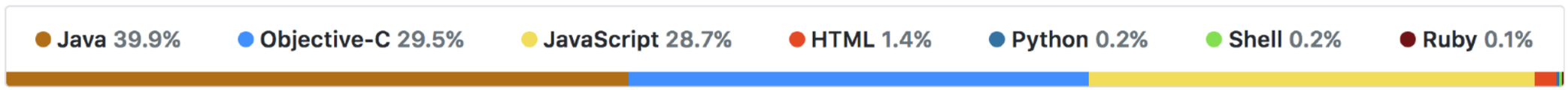
mapbox / **react-native-mapbox-gl**

Watch 130 | Unstar 1,284 | Fork 385

Code | Issues 82 | Pull requests 3 | Projects 3 | Wiki | Insights

A Mapbox GL react native module for creating custom maps

mapbox-gl | android | ios | react-native



same but different

- —> <View />
- —> <Text />
- css file —> StyleSheet.create({})
- …

Tools

- react-native CLI
- create-react-native-app
- expo
- ignite