

#JDVEvent

FOUNDER SESSION



React Native for Web:
1 Codebase to Handle 3 Platforms

Havit Choirul Rovik

(Contributor at React Native Elements)



Senin,
21 September 2020
19.00 - 20.30 WIB



Live Stream



FREE

Register :
bit.ly/foundersessionsep2020

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Supported by :



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digital
valley
indigo

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ABOUT ME



I have over 7 years of experience working in software engineering. Currently, I manage Engineering team (consist of Full Stack developers working remotely from Indonesia, India and Iran) to consistently delivering products on-time with quality.

- Contributor in some Open Source projects
- In 2017, I won 1st Prize at BCA Financial Hackathon #Codescape

01

Telkom Semarang

Mar 2011 - Jan 2013

Network Engineer (Outsource)

02

Mitrais

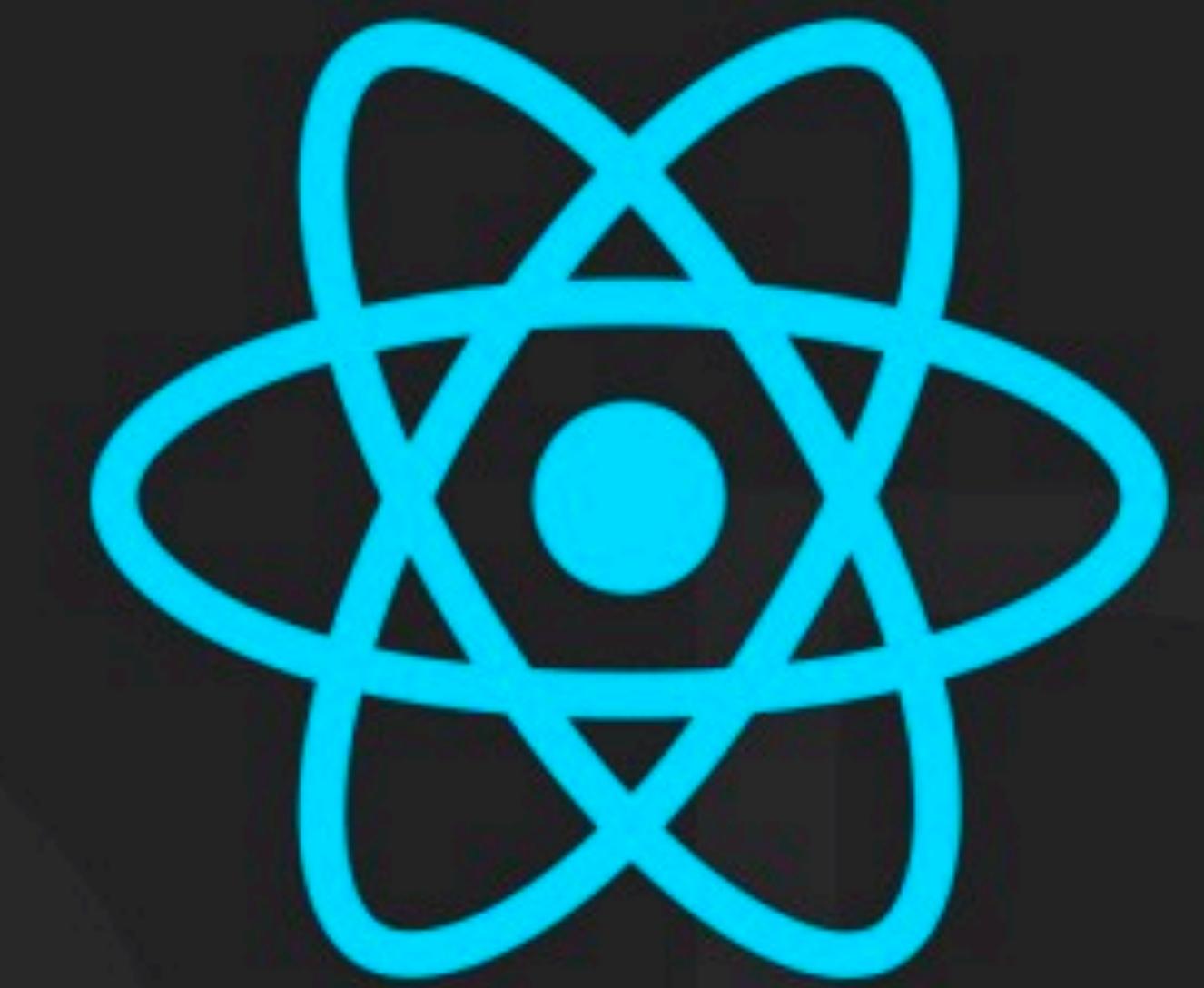
Feb 2013 - Nov 2018

Software Engineer

03

AdaKerja

Nov 2018 - Present



React



ANDROID



iOS

```
React Component  
render: function()  
{ return <div>Hi!</div>; }
```

ReactJS

Browser DOM

```
React Component  
render: function()  
{ return <View>Hi!</View>; }
```

React Native

iOS

Android

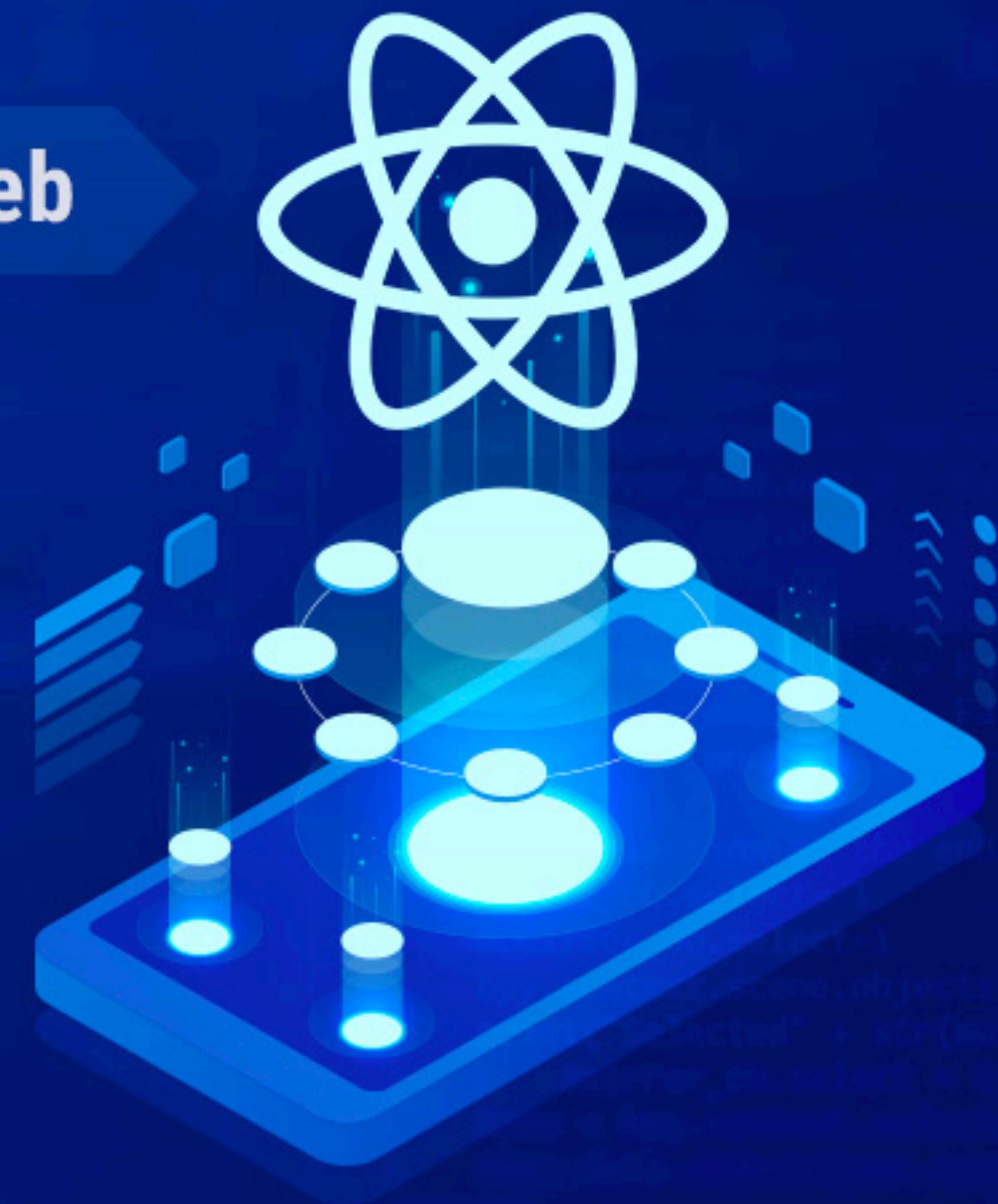
???

Bridge

Bridge

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React Native Web



React Native for Web

npm v0.13.12 build passing PRs welcome

Compatibility: React Native >= 0.63.

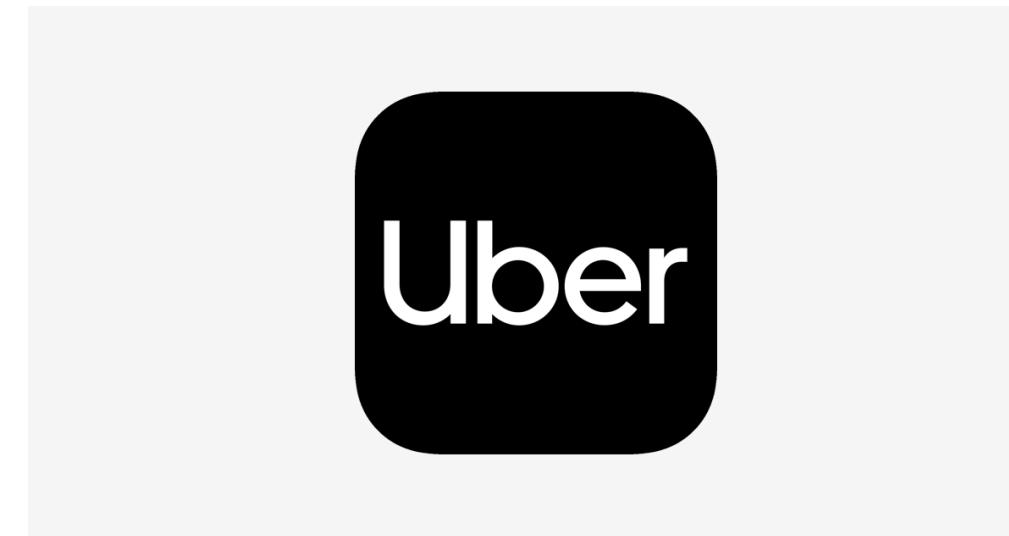
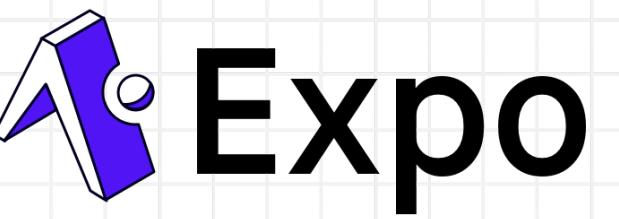
"React Native for Web" makes it possible to run [React Native](#) components and APIs on the web using React DOM.

- **High-quality web interfaces:** makes it easy to create [fast](#), adaptive web UIs in JavaScript. It provides native-quality interactions, support for multiple input modes (touch, mouse, keyboard), optimized vendor-prefixed styles, built-in support for RTL layout, built-in accessibility, and integrates with React Dev Tools.
- **Write once, render anywhere:** interoperates with existing React DOM components and is compatible with the majority of the React Native API. You can develop new components for native and web without rewriting existing code. React Native for Web can also render to HTML and critical CSS on the server using Node.js.

CODE BETWEEN ANDROID, IOS AND WEB COULD
BE MOSTLY SHARED.

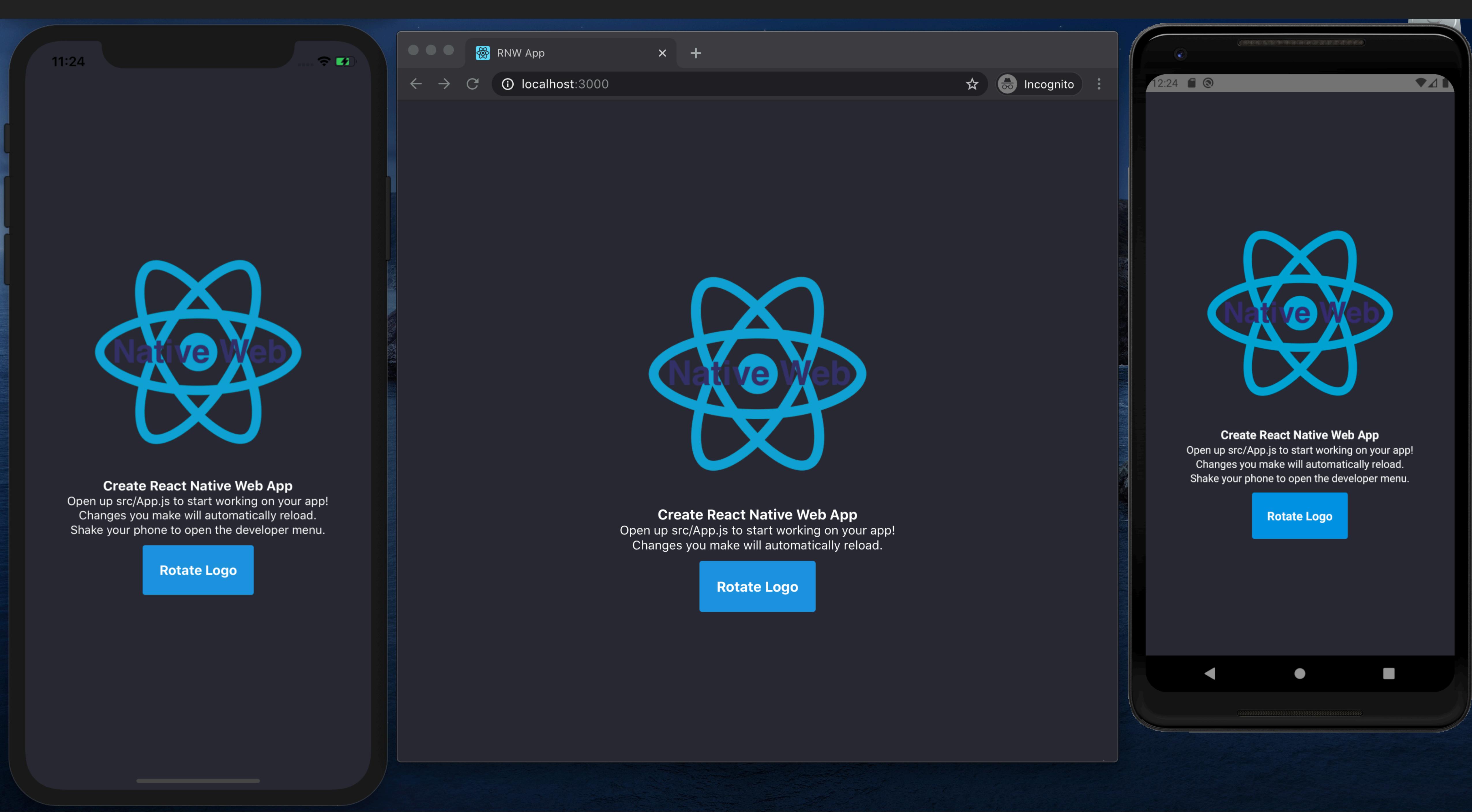
React Native Web

WHO USE REACT NATIVE WEB?





Time to
CODE !



BOOTSTRAPPED USING:

README.md

React Native Web CLI

create-react-native-web-app



npm install create-react-native-web-app
3 dependencies version 0.15.6
updated 5 months ago

issues 0 open

license MIT

javascript 87.5%

minified size 70.8 kB

npm v0.15.6

A simple CLI tool to start your React Native Web project to develop same app for IOS
Android and Web

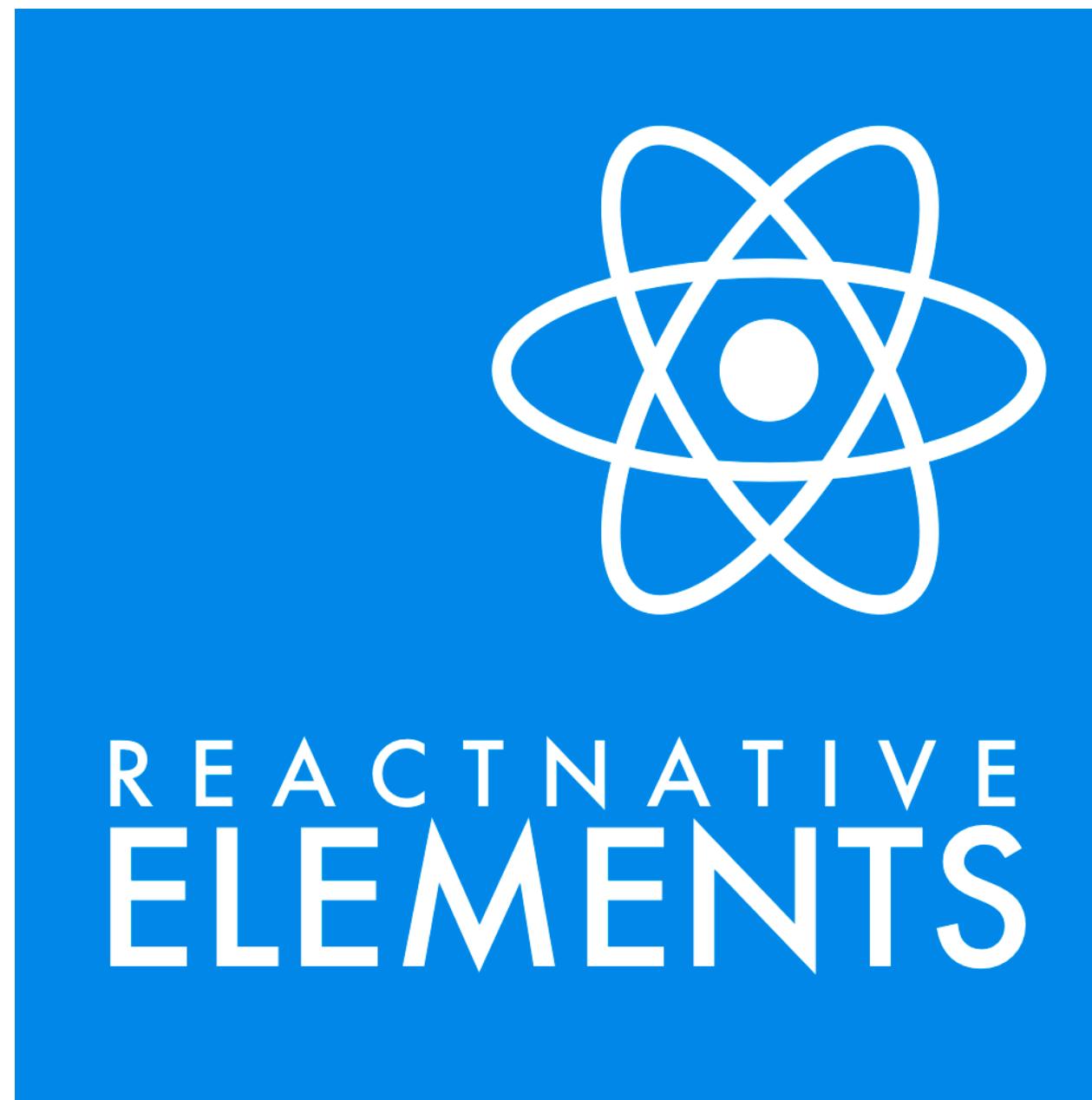




CASE STUDY

SIMPLE APP USING
REACT NATIVE WEB

HOW TO HANDLE BUTTON, ICON, ETC IN CROSS PLATFORM?



Cross Platform React Native UI Toolkit

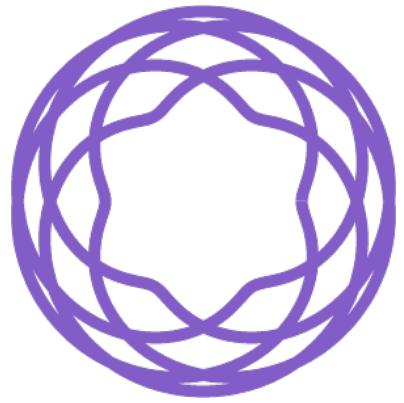
<https://github.com/react-native-elements/react-native-elements>

NAVIGATE BETWEEN SCREEN?



Declarative routing for React

<https://github.com/ReactTraining/react-router>



React Navigation 5

<https://github.com/react-navigation/react-navigation>



RESOURCES

1. Setup environment: <https://reactnative.dev/docs/environment-setup>
2. Learn Basics: <https://reactnative.dev/docs/tutorial>
3. For easy code and run, install expo on Android device: <https://play.google.com/store/apps/details?id=host.exp.exponent&hl=en>

React Native Web tutorial:

<https://levelup.gitconnected.com/comprehensive-guide-to-create-simple-app-using-react-native-web-and-react-native-elements-306cf43fb8d7>

Repo (new): <https://github.com/haruelrovix/jdv-react-native-web>

Repo (old): <https://github.com/haruelrovix/gitphone>

NODE.JS

Installation: <https://nodejs.org/en/download/>

Getting started: <https://nodejs.org/en/docs/guides/getting-started-guide/>

<https://fbflipper.com/> With this tools, you can open Android Emulator **without** a need to open Android Studio.

