

AMERICAN EXPRESS

REACT NATIVE WORKSHOP

WHO WE ARE

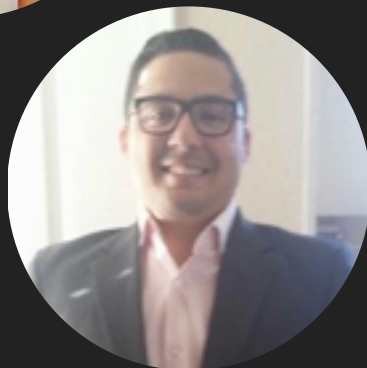
THE TEAM



▶ Mark Schlesinger - Senior Engineer



▶ Shabeeb Shah - Software Engineer



▶ Lamec Fletez - Software Engineer



▶ Bryan Tran - Intern

WHAT IS REACT?

REACT

- ▶ React is a declarative, efficient, and flexible JavaScript library for building user interfaces (Facebook).
- ▶ Benefits of using React:
 - ▶ Component based elements meant for reuse
 - ▶ Virtual DOM allows for more flexibility and improves performance

REACT NATIVE

- ▶ React Native lets you build native mobile apps using only JavaScript
- ▶ Benefits of React Native:
 - ▶ Uses native components instead of web components as building blocks
 - ▶ Interacts with native code in addition to JavaScript
 - ▶ Hot Reloading

THE WORKSHOP

INTRO TO THE WORKSHOP

- ▶ Simple demo app with 2-3 different pages
- ▶ Features:
 - ▶ Geolocation
 - ▶ Yelp API
- ▶ Native Elements
 - ▶ Buttons & Inputs
 - ▶ ListView
 - ▶ Navigation

PREREQUISITES

- ▶ Node
- ▶ Create Yelp developer account and register the app: <https://www.yelp.com/developers/documentation/v3>
- ▶ React Native Command Line Utility: `npm install -g create-react-native-app`
- ▶ macOS:
 - ▶ Homebrew (if necessary)
 - ▶ Xcode Command Line Tools
 - ▶ Watchman
- ▶ Windows:
 - ▶ ???
- ▶ <https://facebook.github.io/react-native/docs/getting-started.html>

DEMO

Discuss expo during demo
- explain what it is

CREATE REACT NATIVE APP

```
$ create-react-native-app myapp
```

```
$ npm run ios
```