React to React Native:
How Hard Could It Be?
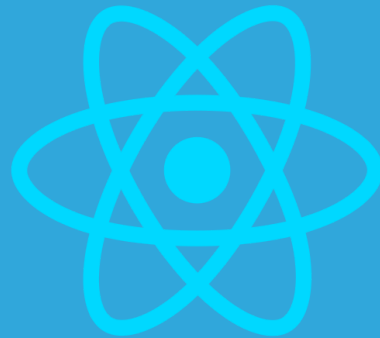
Kylie Stewart
Software Engineer at Formidable

👋 **Kylie Stewart**

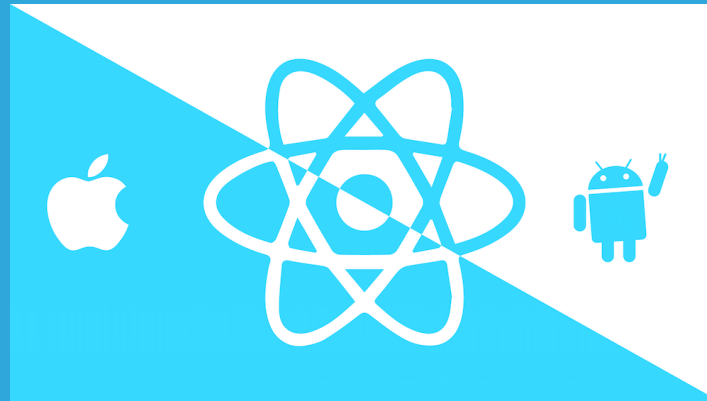Software
Engineer
at Formidable

What is React?

But why use it?

open source
JSX
virtual DOM
component interfaces

What is React Native?

The dream 🙌

Build once, deploy anywhere

How hard could it be?

Getting Started with React

```
npx create-react-app cool-app
cd cool-app && yarn start
```

Getting Started with React Native

```
npx create-react-native-app cool-native-app
cd cool-native-app && yarn start
```

Challenge #1: Syntax 📚

~~div~~ View
~~buttons~~ touchables
~~onClick~~ onPress

Challenge #2: Styles 💅

inline styles
flexbox everything
font trickery

Challenge #3: Infrastructure 🛠️

~~localStorage~~ AsyncStorage
offline accessibility
... and don't forget about the app
store!

Challenge #4: Native Bindings ➡️📱

```javascript
// Dropdown.ios.js
// Dropdown.android.js

import Dropdown from "./Dropdown";
```

✨ **The Future** ✨

Fabric

Fabric

new threading model
async rendering
simplified native bridge

Our vision for React Native is...

- **A healthy GitHub repository.** Issues and pull requests get handled within a reasonable period of time.
    - Increased test coverage.
    - Commits that sync out from the Facebook code repository should not break open source tests.
    - A higher scale of meaningful community contributions.
- **Stable APIs,** making it easier to interface with open source dependencies.
    - Facebook uses the same public API as open source
    - React Native releases that follow semantic versioning.
- **A vibrant eco-system.** High quality ViewManagers, native modules, and multiple platform support maintained by the community.
- **Excellent documentation.** Focus on helping users create high quality experiences, and up-to-date API reference docs.

🙋 Any questions?

THANK YOU!

@KYLIESTEW ON TWITTER

`kyliestewart.tech/react-native-slides`