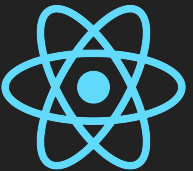


Treinamento Mobile - React Native



Roteiro

- React-native - O que é?
- React-native - Como surgiu?
- React-native - Estatísticas
- Mãos na massa

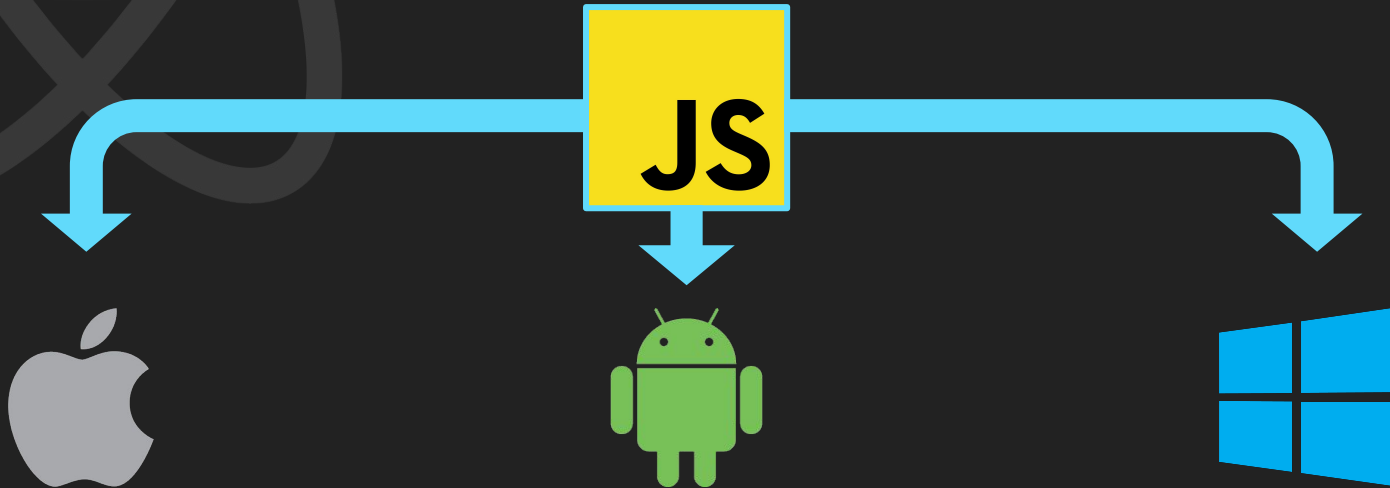
React-native



React-native - O que é?

BUILD NATIVE IOS, ANDROID AND WINDOWS APPS
WITH JAVASCRIPT

- www.reactnative.com



React-native - Como surgiu?

2013

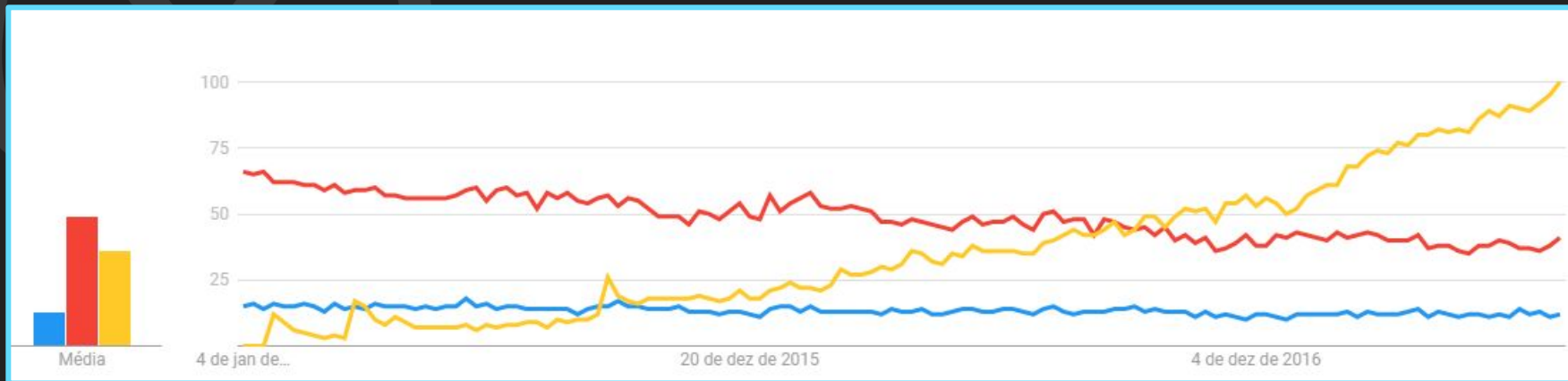
- Hackaton Interna do Facebook
- Suporte apenas para iOS
- Código fechado

2015

- Em Janeiro, na React.js conf os desenvolvedores mostraram rapidamente o funcionamento do framework.
- Em maio, na F8 conference, o código foi aberto e disponibilizado no github.

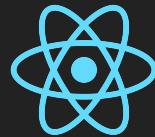
React-native - Estatísticas

- 11186 commits
- 53 branches
- 194 releases
- 1373 contribuidores
- 50675 estrelas
- 11853 Forks



— los Development — Android Development — react native - Google Trends

Mãos na massa



Mãos na massa - Iniciando um Projeto

Quick Start

1. `npm install -g create-react-native-app`
2. `create-react-native-app myInstagram`
3. `cd myInstagram`
4. `npm start`

ERROS



ProgramadorReact:~ react-native

vo

[k.github.io/react-native/docs/getting-started#installing-dependencies](https://github.io/react-native/docs/getting-started#installing-dependencies)

react-native-cli
myInstagram



Mãos na massa - Executando um Projeto

iOS

1. npm install
2. react-native run-ios
 - Xcode instalado

<https://facebook.github.io/react-native/docs/getting-started.html#xcode>

Android

1. npm install
2. react-native run-android
 - Java JDK instalado
 - Verifique se as variáveis de ambiente para o AndroidSDK foram definidas

<https://facebook.github.io/react-native/docs/getting-started.html#android-development-environment>

```
export ANDROID_HOME=$HOME/Library/Android/sdk
export PATH=$PATH:$ANDROID_HOME/tools
export
PATH=$PATH:$ANDROID_HOME/platform-tools
```

Mãos na massa - Dicas de Desenvolvimento



Vysor



Genymotion

react-native log-ios
react-native log-android
Debug JS Remotely

Mãos na massa - Editando o Projeto

```

└─ __tests__
└─ android
└─ app
└─ ios
└─ node_modules
  .babelrc
  .buckconfig
  .flowconfig
  .gitattributes
  .gitignore
  .watchmanconfig
  app.json
  index.android.js
  index.ios.js
  package-lock.json
  package.json
  yarn.lock

```

1. Crie uma pasta chamada app e adicione nela um index.js
2. Adicionar código de index.android.js no app/index.js e exportar o componente **App**.
3. Em index.android.js e index.ios.js importar o componente **App** e registrar em ambos usando **AppRegistry**

Mãos na massa - Estilizando o seu projeto

```
import React, { Component } from 'react';
import { StyleSheet, Text, View } from 'react-native';

export default class WithStyles extends Component {
  render() {
    return (
      <View>
        <Text style={[styles.red, styles.bigblue]}>Texto</Text>
      </View>
    );
  }
}
```

```
const styles = StyleSheet.create({
  bigblue: {
    color: 'blue',
    fontWeight: 'bold',
    fontSize: 30,
  },
  red: {
    color: 'red',
  },
});
```

<https://facebook.github.io/react-native/docs/style.html>

Mãos na massa - Layout com Flexbox

Flexbox in gif

<https://medium.freecodecamp.org/an-animated-guide-to-flexbox-d280cf6afc35>

<https://medium.freecodecamp.org/even-more-about-how-flexbox-works-explained-in-big-colorful-animated-gifs-a5a74812b053>

justify-content: flex-start;



align-items: flex-start;

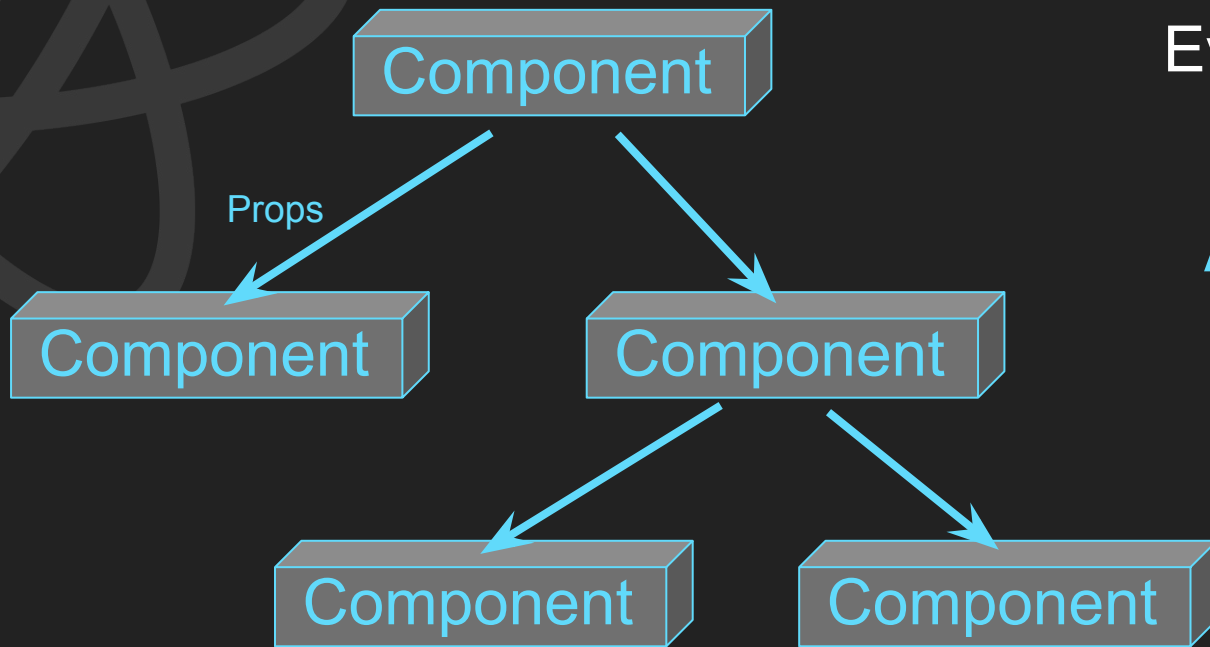


Mãos na massa - Trabalhando com Props

One Way Data binding - O que são as props?

Data

Events



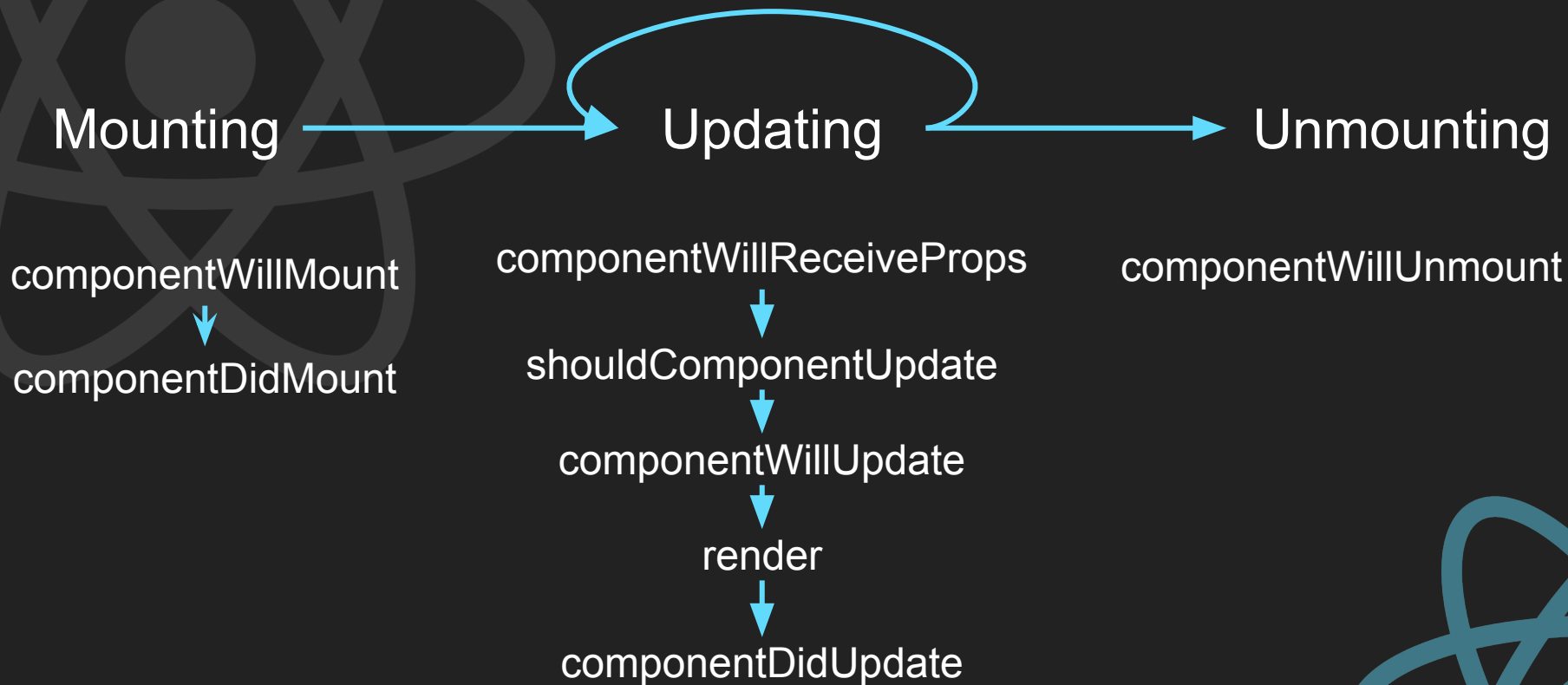
Mãos na massa - Trabalhando com States

- Estado do Componente
- Mutável

```
import React, { Component } from 'react';

export default class Count extends Component {
  constructor() {
    this.state={
      'count': 0
    }
  }
  increaseCount () {
    this.setState({count: this.state.count+1});
  }
}
```

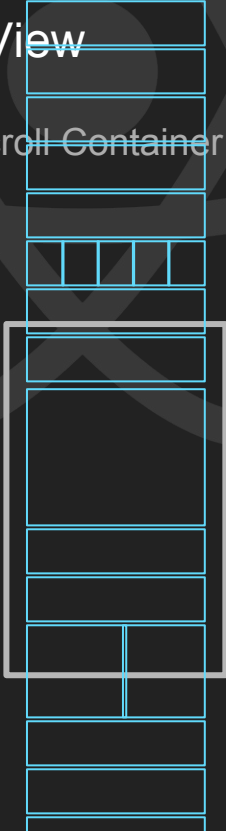
Mãos na massa - Ciclo de Vida da Aplicação



Mãos na massa - Listas

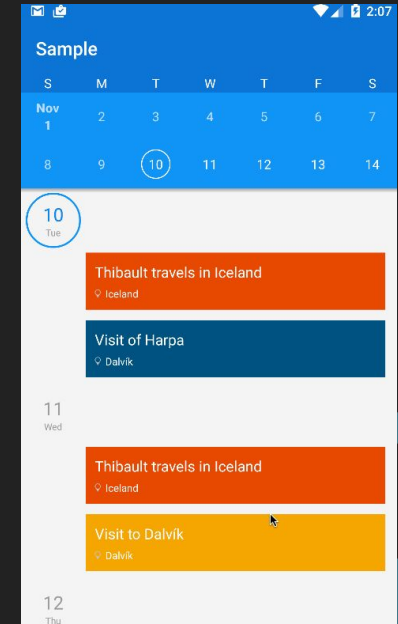
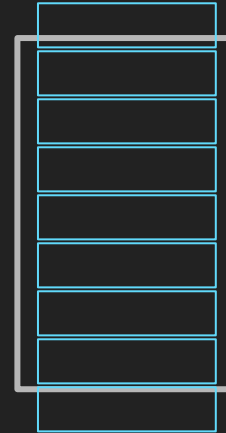
ScrollView

- Scroll Container genérico



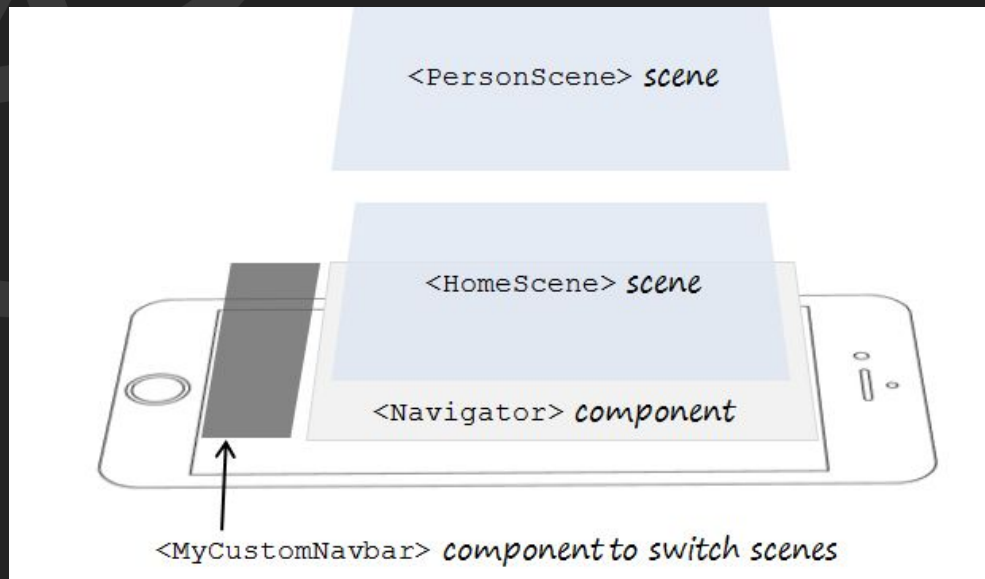
FlatList e SectionList

- Lista de objetos semelhantes



Mãos na massa - Navegação

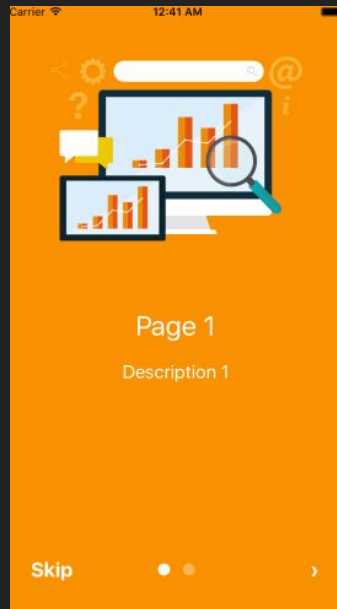
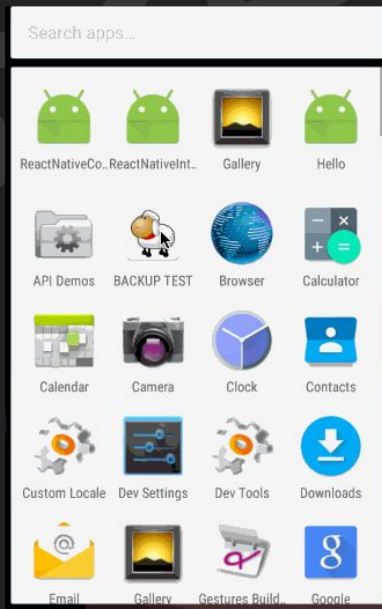
React Navigation <https://github.com/react-community/react-navigation>



Mãos na massa - Customizando a inicialização

Introdução (<https://github.com/FuYaoDe/react-native-app-intro>)

Splash Screen (<https://github.com/react-native-component/react-native-smart-splash-screen>)



Mãos na massa - Integrando com Firebase

Firebase Console (<https://console.firebase.google.com/?hl=pt-br>)

React-Native Firebase (<https://github.com/invertase/react-native-firebase>)



Mãos na massa - Publicando conteúdo

Image Picker (<https://github.com/react-community/react-native-image-picker>)

