

DESENVOLVIMENTO CROSS- PLATFORM COM REACT NATIVE



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AGENDA

- Apresentação
- Nativo vs Híbrido vs Cross-Platform
- React JS
- React Native
- Mão na massa!



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APRESENTAÇÃO



APRESENTAÇÃO

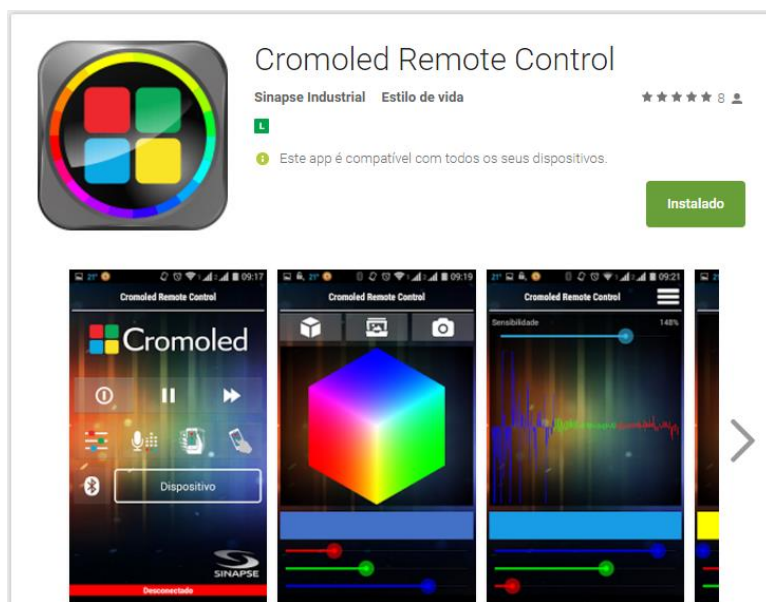
- Formação acadêmica
 - Graduado em Tecnologia em Sistemas para Internet
 - **UTFPR** – Campo Mourão/PR
 - Mestrado em Computação Aplicada (em andamento)
 - **UTFPR** – Cornélio Procopio/PR



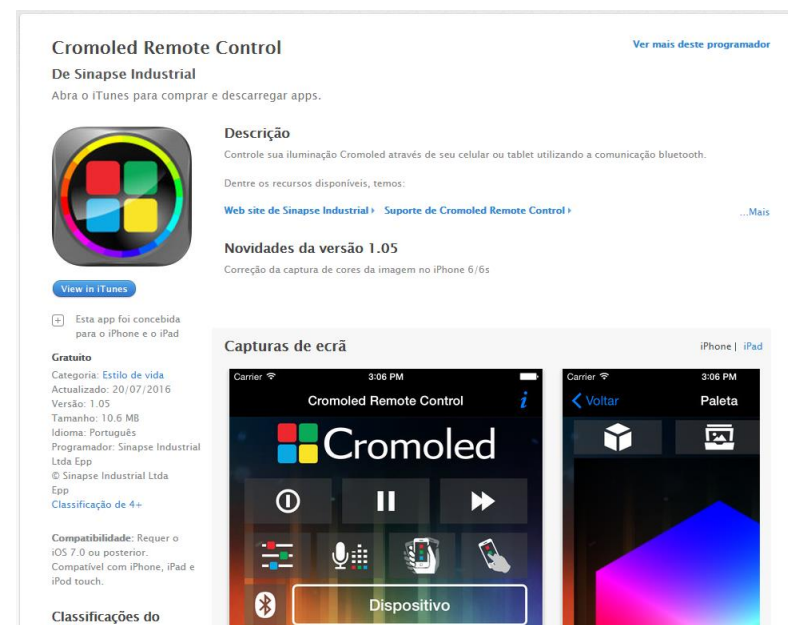
APRESENTAÇÃO

- Formação profissional
- Analista de Sistemas na **Sinapse Industrial**
 - Indústria de iluminação e aquecedores para banheiras, spás e piscinas.

Android



iOS





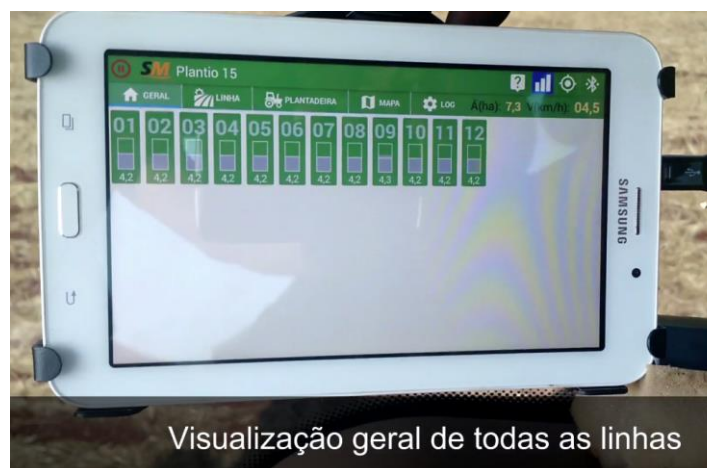
APRESENTAÇÃO

- Formação profissional
- Analista de Sistemas na **SafraMax Industrial**
 - Indústria de soluções para agricultura de precisão.

Monitor de Plantio em Android



Monitor de Plantio
SM4



Visualização geral de todas as linhas

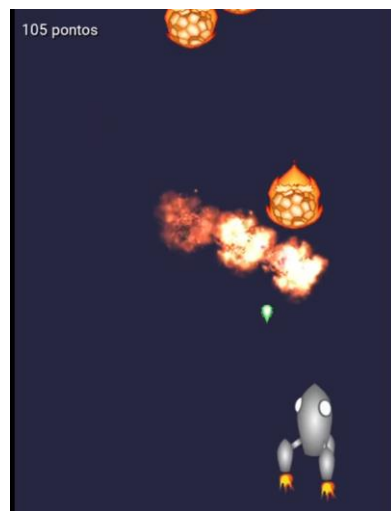
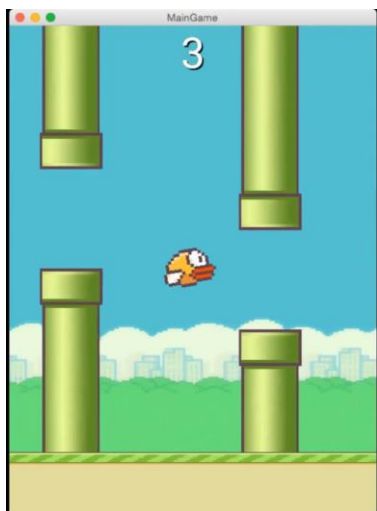


Totais e médias do plantio



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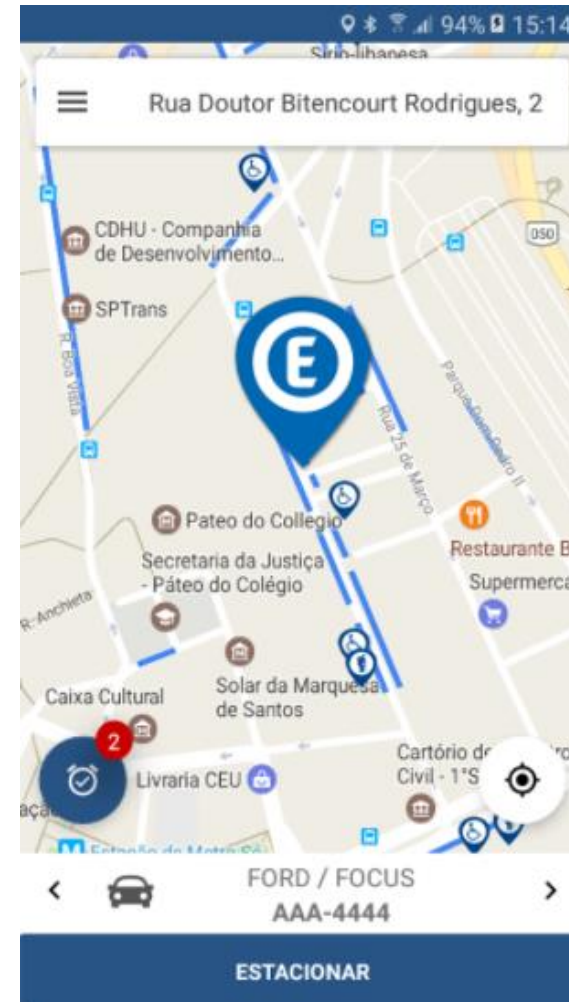
- Formação profissional
- Professor na **Faculdade Integrado de Campo Mourão**
 - Programação Web, Desenvolvimento de Jogos, Análise Orientada a Objetos, etc.



APRESENTAÇÃO

- Formação profissional
 - Analista de Sistemas na **AppMoove**
- Sistema de gerenciamento de Zona Azul

Android



iOS



APRESENTAÇÃO

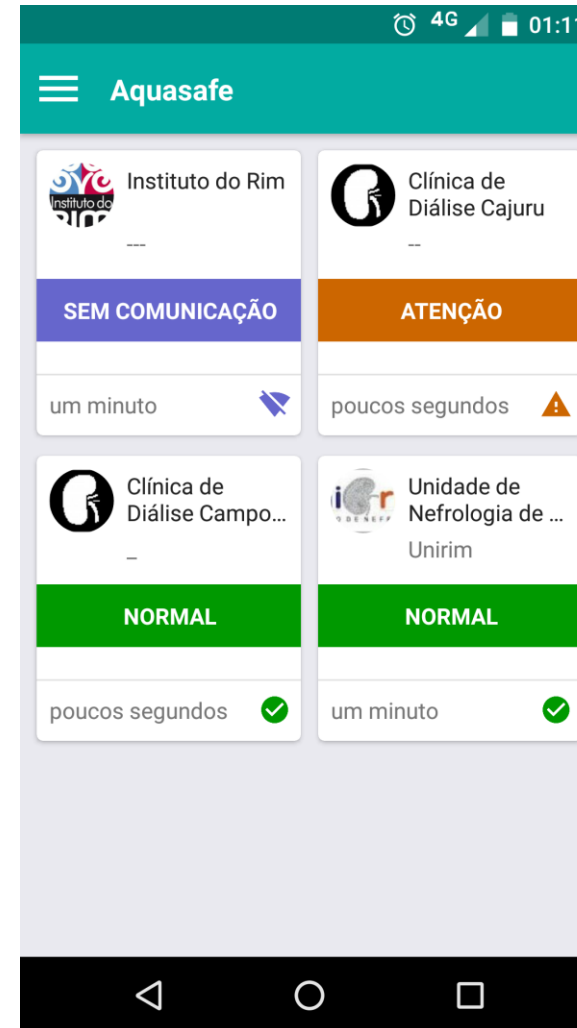
- Formação profissional
- **Aquasafe Mobile**

Sistema de monitoramento dos equipamentos de filtragem de água de máquinas de hemodiálise.



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Android



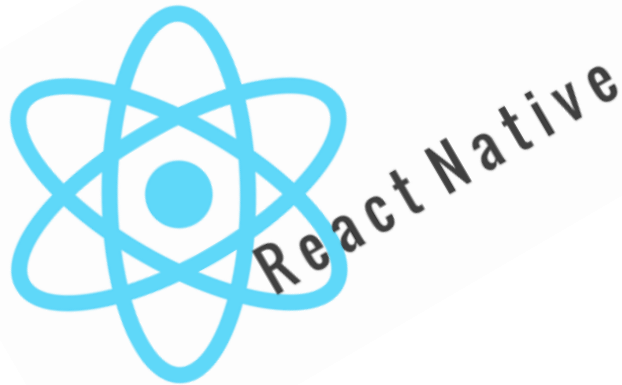
iOS



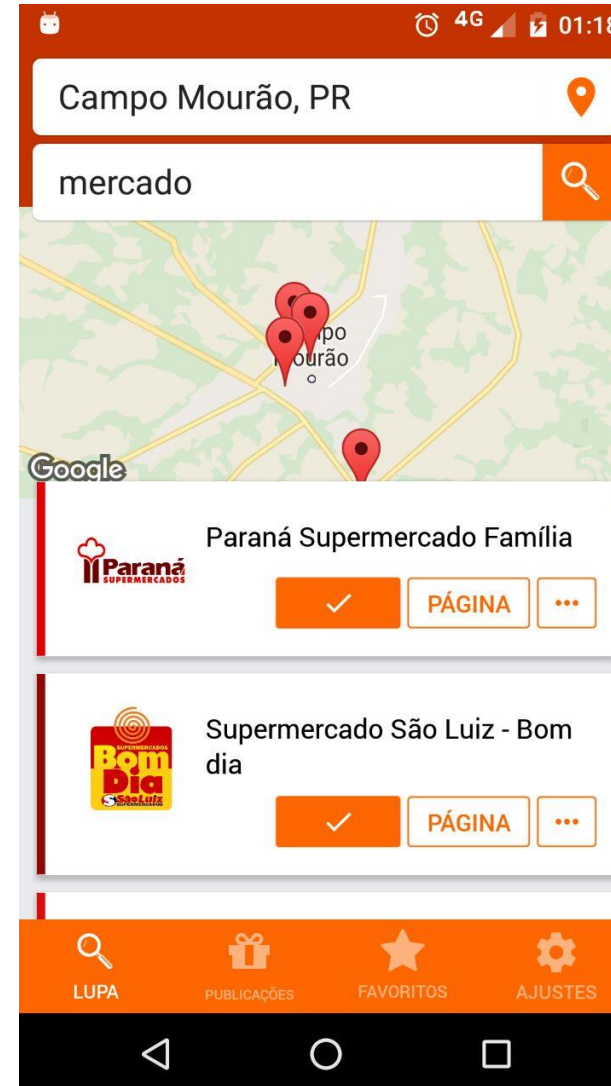
APRESENTAÇÃO

- **Formação profissional**
- **Lupa Ninja**

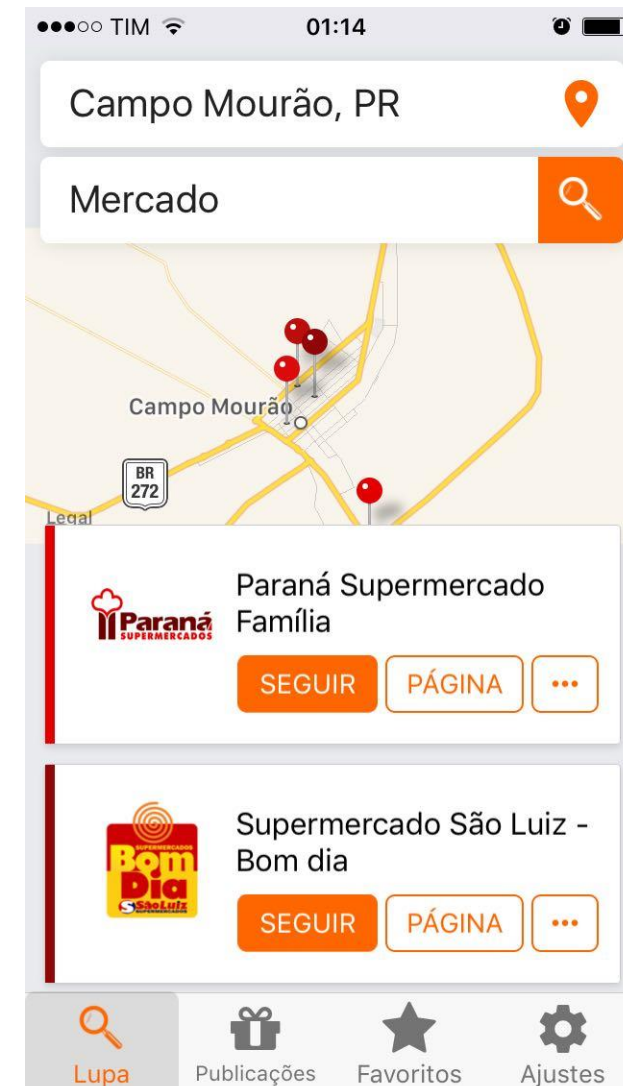
Ferramenta de marketing digital voltado para pequenas e médias empresas.



Android



iOS





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🌐 <http://douglasjunior.me/>

Organizations



Overview

Repositories 81

Stars 303

Followers 71

Following 23

Pinned repositories

[Customize your pinned repositories](#)

≡ [android-simple-tooltip](#)

A simple library based on PopupWindow to create Tooltips on Android. ❤️

🇯🇵 Java ★ 378 🧑‍🚀 98

≡ [AndroidBluetoothLibrary](#)

A Library for easy implementation of Serial Bluetooth Classic and Low Energy on Android. ❤️

🇯🇵 Java ★ 33 🧑‍🚀 11

≡ [react-native-simple-dialogs](#)

Cross-platform simple dialogs for React Native based on the Modal component. 🍷

🇯🇵 JavaScript ★ 10 🧑‍🚀 2

≡ [react-native-keyboard-manager](#)

Library that allows to prevent issues of keyboard sliding up and cover on React-Native iOS projects. 🍷

🇺🇸 Objective-C ★ 44 🧑‍🚀 5

≡ [react-native-easybluetooth-classic](#)

A Library for easy implementation of Serial Bluetooth Classic on React Native (Android Only). 🍷

🇯🇵 Java ★ 9

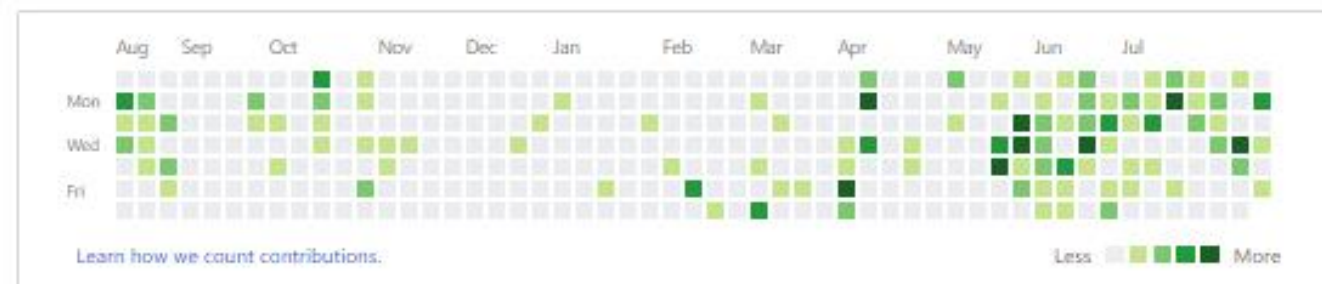
≡ [react-native-easybluetooth-le](#)

A Library for easy implementation of Serial Bluetooth Low Energy on React Native. 🍷

🇯🇵 Java ★ 4

444 contributions in the last year

[Contribution settings](#) ▼





E VOCÊS?

- JavaScript (Node/NPM/Yarn)?
- React/Native?
- Android (Java/Kotlin)?
- iOS (ObjC/Swift)?



NATIVO VS HÍBRIDO VS CROSS-PLATFORM



NATIVO

- Aplicativo desenvolvido, compilado e empacotado na plataforma nativa do sistema operacional.
 - Android: Java, Kotlin, C++, etc.
 - iOS: Objective-C, Swift, C, C++, etc.
 - Windows: C#, C++, etc.
- Todos os recursos de software e hardware estão disponíveis naturalmente.



HÍBRIDO

- Aplicativo desenvolvido em uma única linguagem e interpretado (Web View) em diversas plataformas.
 - Cordova/Phonegap: Html, CSS, JavaScript
 - Ionic: Html, CSS, JavaScript/TypeScript, Angular
- Para acessar recursos de hardware ou sistema operacional é preciso criar Plugins complexos, difíceis de manter e com baixo desempenho.



CROSS-PLATFORM

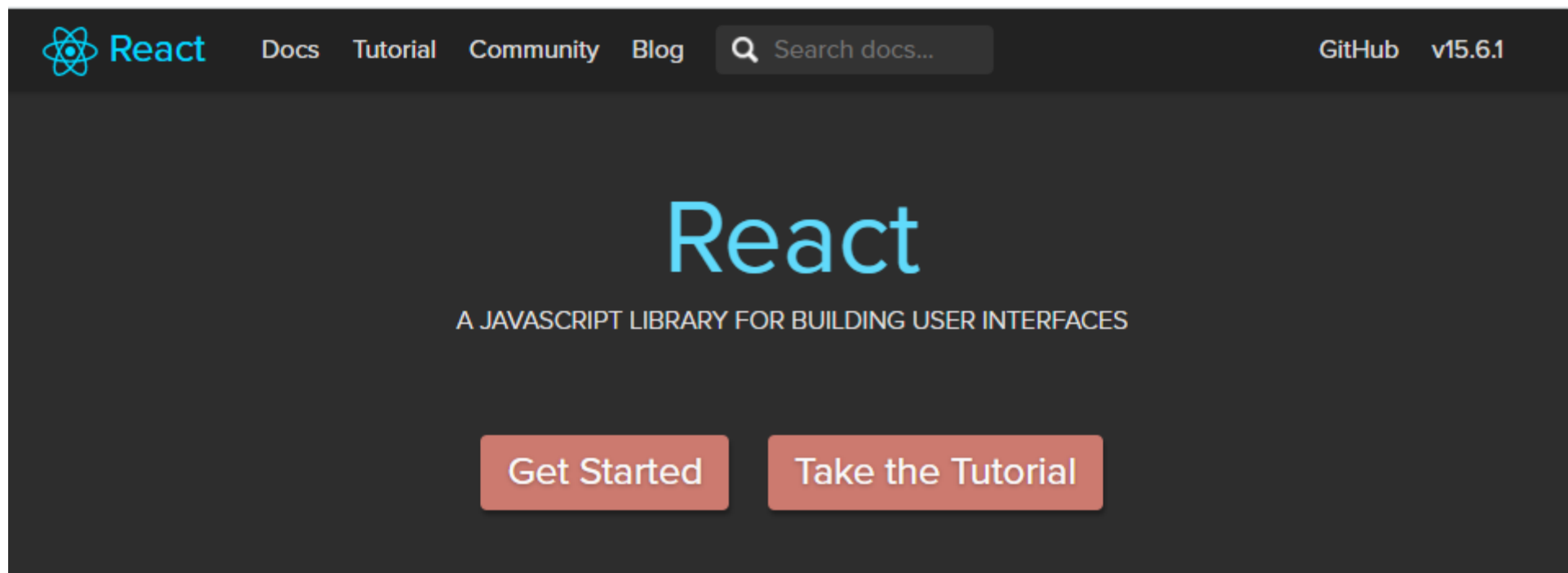
- Aplicativo desenvolvido em uma única linguagem e compilado e empacotado na plataforma nativa.
 - React Native: JavaScript, TypeScript, React, etc.
 - Xamarin: C#.
 - Native Script: JavaScript, TypeScript, Angular, etc.
- Para acessar recursos de hardware ou sistema operacional é possível criar módulos que, naturalmente são mais fáceis de manter devido a proximidade com a plataforma nativa.



REACT JS



REACT



Declarative

React makes it painless to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your

Component-Based

Build encapsulated components that manage their own state, then compose them to make complex UIs.

Since component logic is written in

Learn Once, Write Anywhere

We don't make assumptions about the rest of your technology stack, so you can develop new features in React



REACT-NATIVE



REACT-NATIVE

React Native next

Docs Community Blog GitHub React

React Native

Learn once, write anywhere: Build mobile apps with React

[Get Started](#) [Learn the Basics](#)

Build native mobile apps using JavaScript and React

React Native lets you build mobile apps using only JavaScript. It uses the same design as React, letting you compose a rich mobile UI from declarative components.



REACT-NATIVE

A React Native app is a real mobile app

With React Native, you don't build a "mobile web app", an "HTML5 app", or a "hybrid app". You build a real mobile app that's indistinguishable from an app built using Objective-C or Java. React Native uses the same fundamental UI building blocks as regular iOS and Android apps. You just put those building blocks together using JavaScript and React.

Don't waste time recompiling

React Native lets you build your app faster. Instead of recompiling, you can reload your app instantly. With [Hot Reloading](#), you can even run new code while retaining your application state. Give it a try - it's a magical experience.



REACT-NATIVE

Use native code when you need to

React Native combines smoothly with components written in Objective-C, Java, or Swift. It's simple to drop down to native code if you need to optimize a few aspects of your application. It's also easy to build part of your app in React Native, and part of your app using native code directly - that's how the Facebook app works.



REACT-NATIVE

Who's using React Native?

Thousands of apps are using React Native, from established Fortune 500 companies to hot new startups. If you're curious to see what can be accomplished with React Native, check out these apps!



Facebook



Facebook Ads Manager



Instagram



F8



Airbnb



Walmart



Tesla



Tencent QQ



SoundCloud Pulse



Townске



UberEATS



Vogue



Chop



Delivery.com



Discord



Flare by GoDaddy



Artsy



Baidu Mobile (手机百度)




Bloomberg



CBS Sports Franchise



REACT-NATIVE

 React Native 0.47

Docs Help Blog

The Basics

- Getting Started**
- Learn the Basics
- Props
- State
- Style
- Height and Width
- Layout with Flexbox
- Handling Text Input
- Handling Touches
- Using a ScrollView
- Using List Views
- Networking
- More Resources

Guides

- Components and APIs

Getting Started

This page will help you install and build your first React Native app. If you already have React Native installed, you can skip ahead to the [Tutorial](#).

[Quick Start](#) **Building Projects with Native Code**

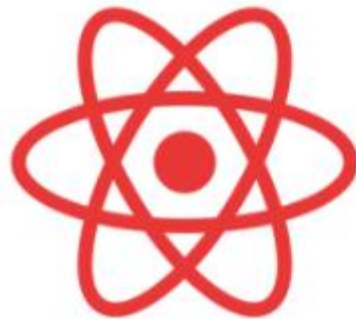
Follow these instructions if you need to build native code in your project. For example, if you are integrating React Native into an existing application, or if you "ejected" from [Create React Native App](#), you'll need this section.

The instructions are a bit different depending on your development operating system, and whether you want to start developing for iOS or Android. If you want to develop for both iOS and Android, that's fine - you just have to pick one to start with, since the setup is a bit different.

Development OS: [macOS](#) **Windows** [Linux](#) Target OS: [iOS](#) **Android**



REACT-NATIVE



React Native Apps

A Curated List of Open Source React Native Apps



MÃO NA MASSA!



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OBRIGADO!



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