

THE DEVELOPER'S CONFERENCE

Android e Kotlin – Flutter vs React Native

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Sobre o Palestrante

- Desenvolvedor há 8 anos
- Entusiasta de Android
- Pai de José Henrique



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Agenda



- Formas de desenvolver apps
- Frameworks multiplataforma
- React Native
- Flutter
- Comparação

Desenvolvimento de apps



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- Web / PWA
- Webview empacotada
- SDKs oficiais
- Frameworks multiplataforma

Frameworks multiplataforma

- Compartilhamento de código
- Experiência nativa



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React Native



👁 Watch ▾

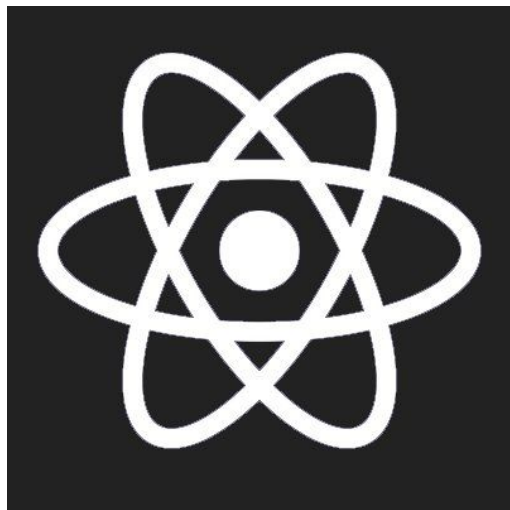
3,730

★ Star

71,241

🍴 Fork

15,956



- Aberto em 2015
- JavaScript
- Gera apps nativos
- Bridge

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!](#)



Flutter



👁 Watch ▾ 1,715

★ Star 41,769

🍴 Fork 4,209



- Apresentado em 2017
- "Production ready" em 2018
- 1.0 lançada **ontem**
- Dart
- Gera apps nativos
- Platform channels

Flutter



Who's using Flutter?

Organizations around the world are building apps with Flutter.

[See what's being created](#)



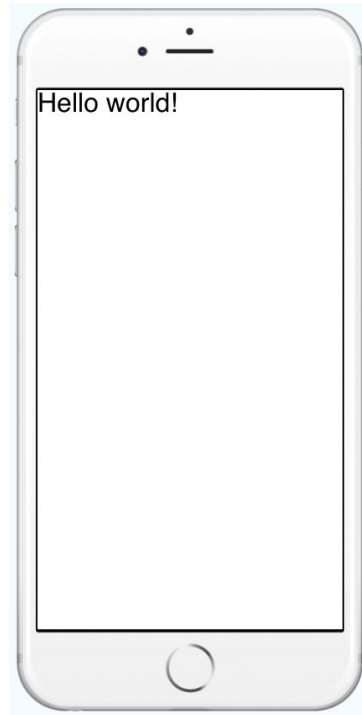
Linguagem

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

export default class HelloWorldApp extends Component {
  render() {
    return (
      <View>
        <Text>Hello world!</Text>
      </View>
    );
  }
}
```



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Linguagem



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```
import 'package:flutter/material.dart';

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Welcome to Flutter',
      home: Scaffold(
        appBar: AppBar(
          title: Text('Welcome to Flutter'),
        ),
        body: Center(
          child: Text('Hello World'),
        ),
      ),
    );
  }
}
```



Linguagem



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import { Text, View } from 'react-native';

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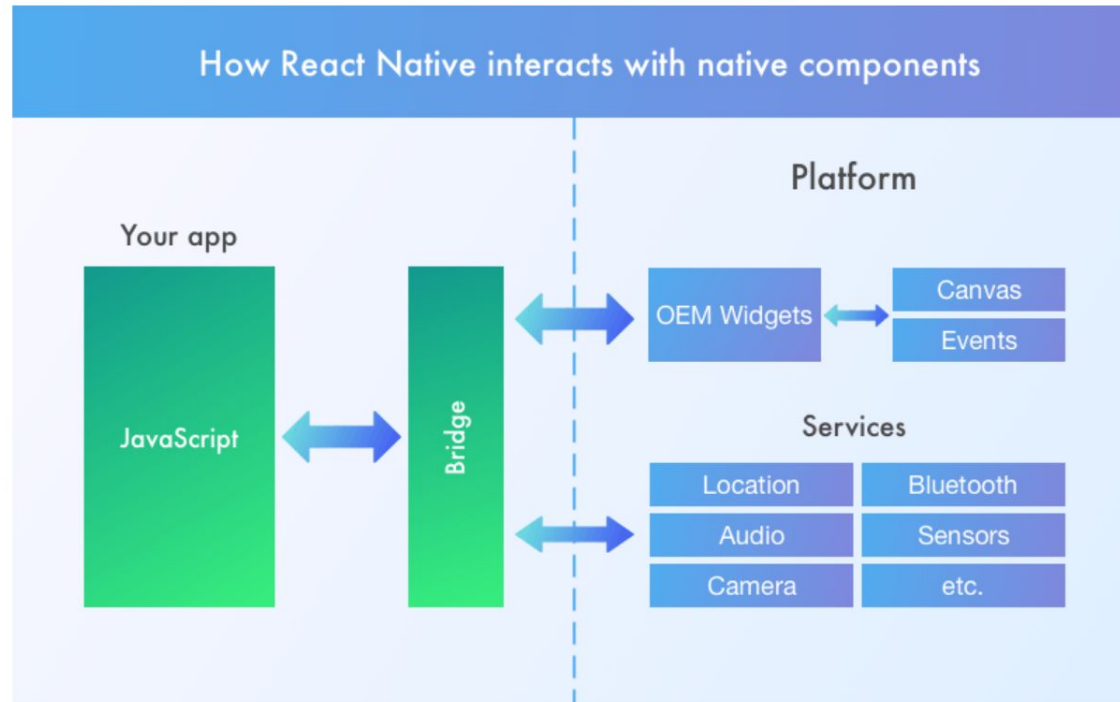
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Flutter é o React Native da Google?

Arquitetura do React Native



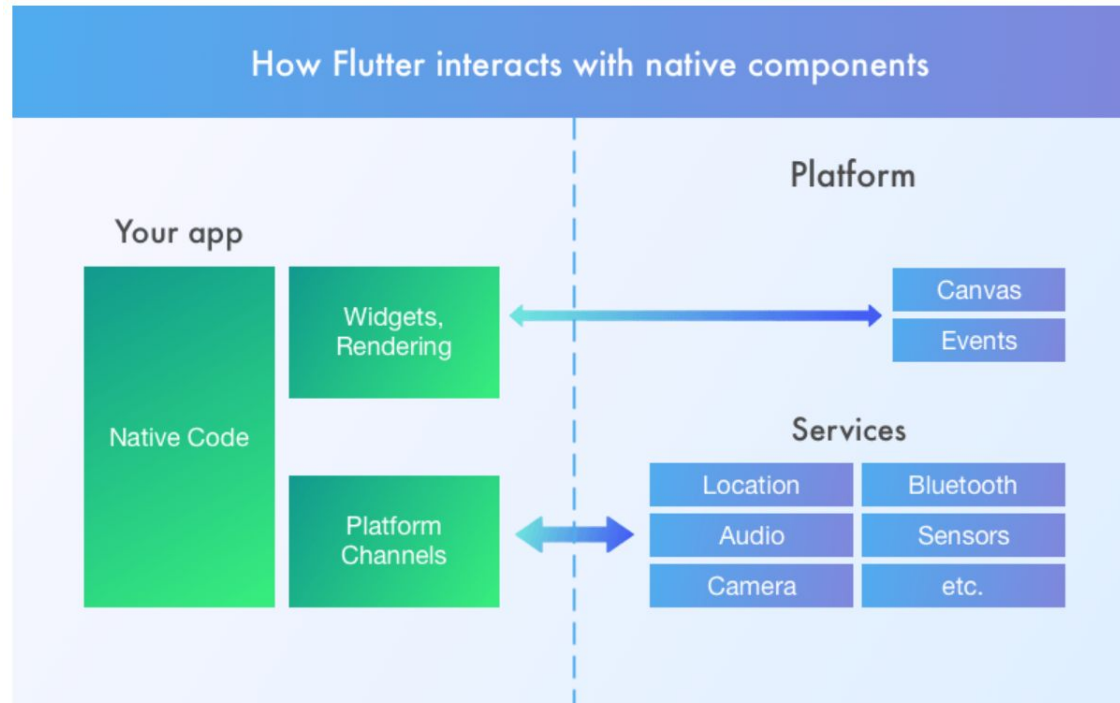
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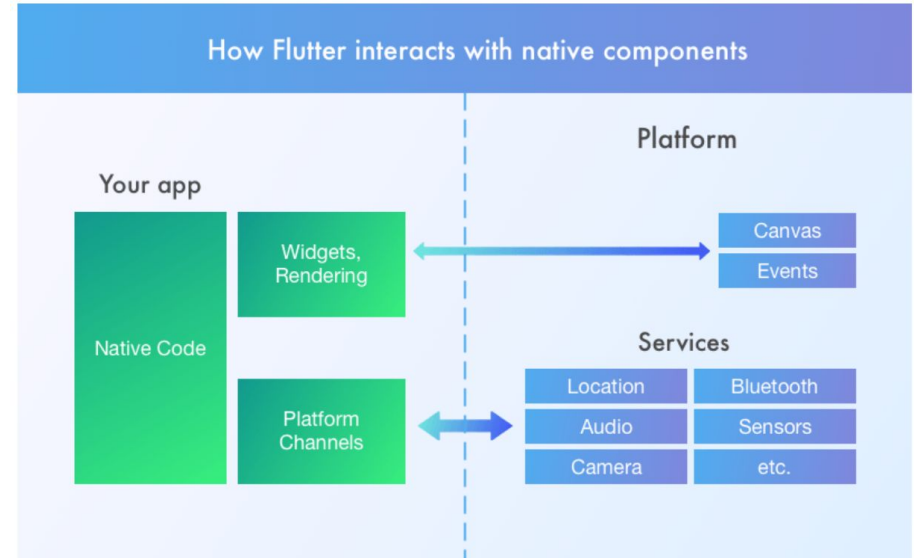
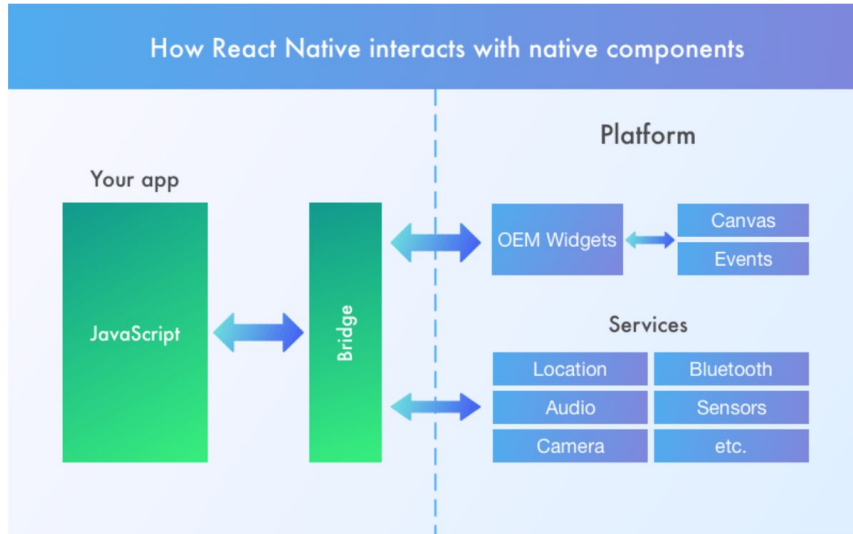
Arquitetura do Flutter



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Comparação das Arquiteturas



Flutter vs React Native



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- Componentes dentro do APK
- Linguagem menos popular*
- Comunidade menor
- ~~Sem planos para build para web~~

*<https://insights.stackoverflow.com/survey/2018/#technology>

Flutter vs React Native



- Builds para Windows, Linux, MacOS e Web no roadmap
- Android Studio e VS Code suportados
- Docs para quem vem de: iOS, Android, Web, React Native e Xamarin
- **Desempenho**
- Novos componentes em versões antigas do Android

Dúvidas e Discussão



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