

# Rafael Vizzotto

## Atividade Frameworks Front End + Back End

a) Definição do framework, quem criou, onde surgiu, etc. O tipo de linguagem de programação usado, quais tecnologias são envolvidas, dados sobre documentação (site oficial), exemplo de quais empresas usam, entre outros.



# JS



The slide features the React JS logo at the top left. Below it is a list of companies that use React, each with its respective logo: Facebook, Instagram, Airbnb, WhatsApp, Netflix, Uber, Dropbox, BBC, Cloudflare, Atlassian, and Flipboard. A "Major Users" button is located at the bottom right of the list.

Major Users
facebook
Instagram
airbnb
WhatsApp
NETFLIX
UBER
Dropbox
BBC
CLOUDFLARE
ATLASSIAN
FLIPBOARD

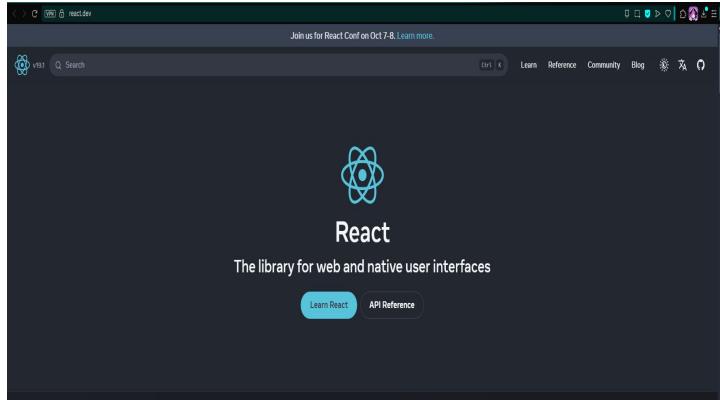
## Tecnologias notáveis:

- JSX
- Babel
- Webpack



Criado por Jordan Walke,  
engenheiro de software na  
Meta (antigo Facebook)

react.dev (documentação)



A screenshot of the react.dev website. The header includes the React logo and the text "react.dev". Below the header, there's a search bar and navigation links for "Learn", "Reference", "Community", "Blog", and "API Reference". The main content area features the React logo and the text "React: The library for web and native user interfaces". There are also "Learn React" and "API Reference" buttons.



# ANGULARJS



Criado por Miško Hevery e Adam Abrons, posteriormente Google tomou conta do desenvolvimento do projeto

[angular.dev](https://angular.dev) (documentação)



Tecnologias notáveis:

- RxJS
- CLI
- Angular Material



# Vue.js

# JS

Criado por Evan You,  
ex-engenheiro de  
software na Google  
após usar Angular JS



## Tecnologias notáveis:

- Vue CLI
- Vue Router
- Vuex

[vuejs.org](https://vuejs.org) (documentação)

The Progressive JavaScript Framework

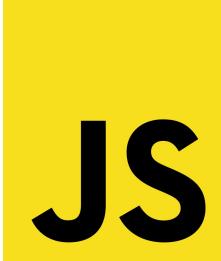
An approachable, performant and versatile framework for building web user interfaces.

Approachable      Performant      Versatile

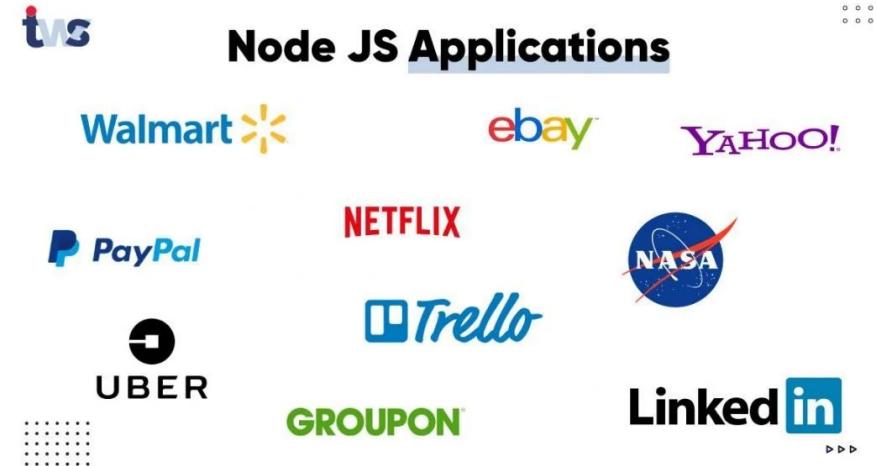
Builds on top of standard HTML, CSS and JavaScript with intuitive API and world-class documentation.

Truly reactive, compiler-optimized rendering system that rarely requires manual optimization.

A rich, incrementally adoptable ecosystem that scales between a library and a full-featured framework.

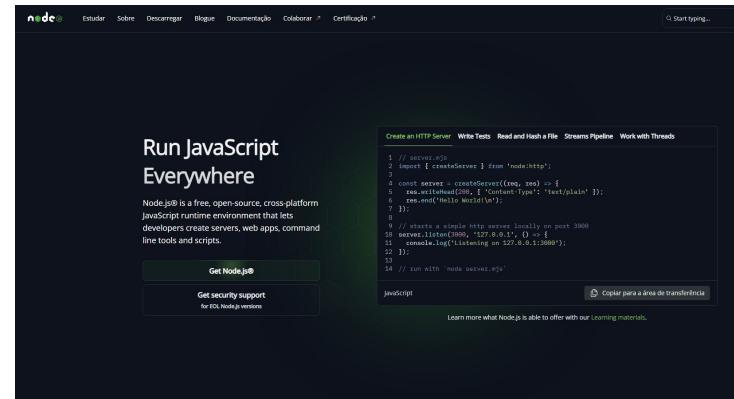


Criado por Ryan Dahl,  
baseou-se nos motores v8  
da Engine de JavaScript  
da Google



A collage of logos for various well-known companies that use Node.js, including Walmart, eBay, Yahoo!, Netflix, NASA, PayPal, Trello, LinkedIn, Uber, and Groupon.

nodejs.org (documentação)



A screenshot of the official Node.js documentation website at nodejs.org. The page has a dark background and features a search bar at the top. Below the search bar, there's a navigation menu with links like "Estudar", "Sobre", "Descarregar", "Blogue", "Documentação", "Colaborar", and "Certificação". The main content area is titled "Run JavaScript Everywhere" and contains a snippet of Node.js code for creating an HTTP server. The code is as follows:

```
1 // server.js
2 import { createServer } from 'node:http';
3
4 const server = createServer((req, res) => {
5   res.writeHead(200, { 'Content-Type': 'text/plain' });
6   res.end('Hello World\n');
7 });
8
9 // starts a single http server locally on port 3000
10 server.listen(3000, '127.0.0.1', () => {
11   console.log('Listening on 127.0.0.1:3000');
12 });
13
14 // run with `node server.js`
```

At the bottom of the page, there are links for "Create an HTTP Server", "Write Tests", "Read and Hash a File", "Streams Pipeline", and "Work with Threads". There's also a "Get Node.js®" button and a "Get security support for EOL Node.js versions" link. A note at the bottom right says "Learn more what Node.js is able to offer with our Learning materials."



Foi criado por Adrian Holovaty e Simon Williams como um projeto secundário para auxiliar com o desenvolvimento de web pages para a empresa que trabalhavam (World Online)



## Popular Companies Using Django



[djangoproject.com](https://djangoproject.com) (documentação)



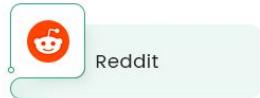
NASA



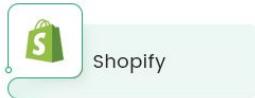
Udemy



Django



Reddit



Shopify



Pinterest



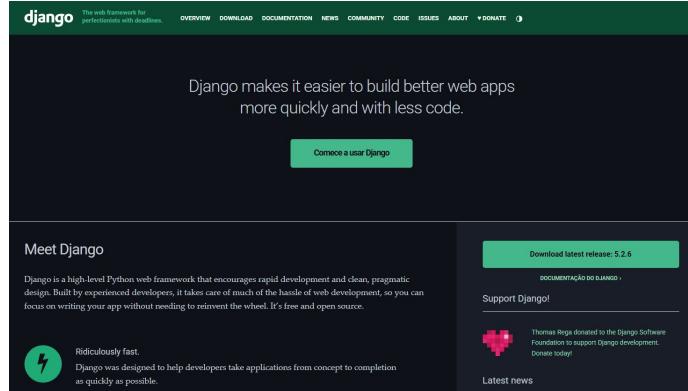
Dropbox



Glovo



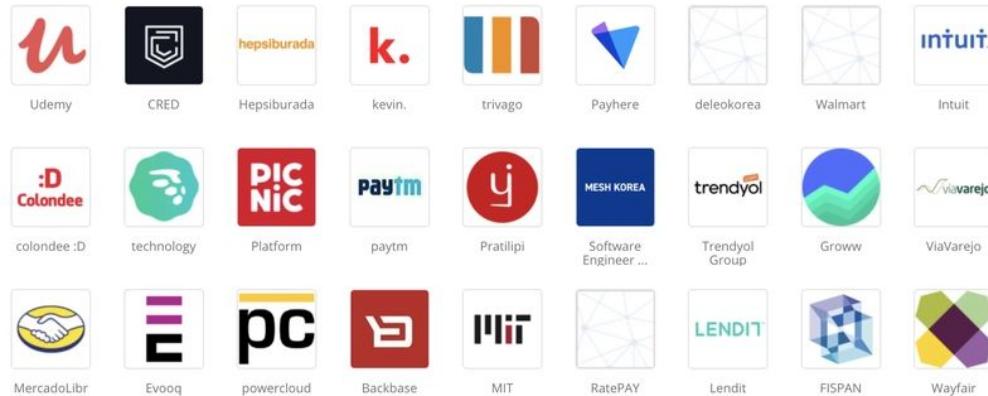
9GAG



The screenshot shows the official Django project website. At the top, there's a navigation bar with links for OVERVIEW, DOWNLOAD, DOCUMENTATION, NEWS, COMMUNITY, CODE, ISSUES, ABOUT, and DONATE. The main headline reads: "Django makes it easier to build better web apps more quickly and with less code." Below this is a "Comece a usar Django" button. A section titled "Meet Django" provides an overview of the framework, mentioning its high-level Python design and rapid development capabilities. To the right, there are sections for "Download latest release: 5.2.6", "DOCUMENTAÇÃO DO DJANGO", "Support Django!", and "Latest news". A sidebar on the far right includes a "Ridiculously fast" badge and a "Thomas Boag donated to the Django Software Foundation to support Django development. Donate today!" message.



1124 companies reportedly use Spring Boot in their tech stacks, including Udemy, CRED, and Hepsiburada.



Criada como uma extensão do Spring Framework para acelerar os serviços Java



[spring.io/projects/spring-boot](http://spring.io/projects/spring-boot)  
(documentação)

The screenshot shows the official Spring Boot project page. At the top, there's a navigation bar with links for Why Spring, Learn, Projects, Academy, Community, and Taku Spring. Below the navigation, there's a sidebar with a tree view of all projects, where 'Spring Boot' is selected. The main content area has tabs for Overview, Learn, Support, and Samples. The 'Overview' tab is active, displaying information about Spring Boot making it easy to create stand-alone, production-grade Spring-based applications. It lists several features like Spring Data, Spring Cloud, and Spring Security. The 'Getting Started' section provides a quick start guide and links to the 'Quickstart Guide' and 'Build with Maven or Gradle'.

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## Atividade Frameworks Front End + Back End

b) Criar uma seção de instalação: descreva os passos necessários para instalar e configurar cada framework de front-end (React, Angular e Vue.js) e inclua exemplos de código básico (como a criação de um componente simples ou um “Hello World”) dentro do arquivo do resumo.



# React

Instalação + Código Simples

cmd

```
npx create-react-app my-app  
cd my-app  
npm start
```

JavaScript (src/app.js):

```
function App() {  
  return <h1>Hello World</h1>;  
}  
export default App;
```



# ANGULARJS

Instalação + Código Simples

cmd

```
npm install -g @angular/cli  
ng new my-app  
cd my-app  
ng serve
```

typescript (src/app/app.component.ts):

```
import { Component } from '@angular/core';  
@Component({  
  selector: 'app-root',  
  template: `<h1>Hello World</h1>`,  
})  
export class AppComponent {}
```



cmd

```
npm install -g @vue/cli  
vue create my-app  
cd my-app  
npm run serve
```

HTML/CSS/JavaScript (src/App.vue):

```
<template><h1>Hello World</h1></template>  
<script>  
export default {};  
</script>
```

Instalação + Código Simples