



# Dyego A. Costa

FULL STACK WEB DEVELOPER · SOFTWARE ENGINEER

Ceará, Brazil - UTC-3

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## About

I am passionate about programming, web development and Linux. I have worked with many full stack technologies, mostly using Typescript and Python.

My approach to technology is characterized by a rapid learning curve and great attention to detail, which allows me to excel in Agile environments and also solve complex problems effectively.

I also like open-source projects and contribute to them whenever I can, especially those I personally use and benefit from.

## Experience

### PublicSquare

SOFTWARE ENGINEER

*Remote (Canada)*

*Jun. 2023 - Present*

- Managed and optimized the infrastructure across AWS, Heroku, and Vercel to ensure high availability and scalability for all company services.
- Developed and maintained CI/CD pipelines using GitHub Actions, achieving automated deployments and seamless integration processes for various services.
- Designed and implemented robust backend solutions using Node.js, Express, and MongoDB, focusing on efficiency and scalability.
- Spearheaded the development of microservices architectures, utilizing Python and FastAPI to enhance modularity and facilitate easier maintenance.
- Integrated advanced AI technologies into backend systems, significantly improving data processing capabilities and service personalization.
- Led the development of dynamic, user-centric web applications using Typescript, React, and Next.js, driving significant user engagement and satisfaction.
- Implemented and deployed highly interactive, responsive web pages, focusing on optimizing user experience and interface design.

### Pax Insurance Broker

SOFTWARE ENGINEER

*Ceará, Brazil*

*Mar. 2021 - May 2023*

- Developed a system to manage customer's Health Insurance changes
- Developed various systems in order to automate many company's internal processes using Python and Pandas
- Created Power Bi panels for business presentations
- Developed a database to store all customer's data

### Mobills

FRONTEND DEVELOPER

*Ceará, Brazil*

*Mar. 2021 - Dec. 2021*

- Worked on many new features, refactors and bug fixes on Mobills web platform, using React, Redux and Redux Saga
- Personalized Zendesk templates using Vanilla JS and CSS for Mobills Help Center

### Freelance Developer

SOFTWARE ENGINEER

*Ceará, Brazil*

*2019 - 2021*

- Freelance project development, using technologies such as Node.js, Python, Bash Scripts, React.

### Fortaleza City Hall

TEACHER

*Ceará, Brazil*

*2019 - 2021*

- Taught Mathematics and Physics subjects to 9th grade students for classes for IFCE technical school.

## Education

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**UFC(Federal University of Ceará)**

RENEWABLE ENERGY ENGINEERING

*Ceará, Brazil*

2018 - 2021

## Skills

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|---------------------|--|
| <b>DevOps</b>       | AWS - Docker - Azure - GitHub Actions - Heroku - Vercel              |
| <b>Programming</b>  | Python - Typescript - Javascript - Bash                              |
| <b>Front-end</b>    | React - Next.js - Redux - Vite - HTML5 - CSS                         |
| <b>Back-end</b>     | Flask - Django - FastApi - Express.js - MySQL - PostgreSQL - MongoDB |
| <b>Data Science</b> | Pandas - Power Bi  |

## Projects

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Throughout my career, I have actively engaged in a variety of open-source and freelance projects, each presenting unique challenges and learning opportunities.

Below, I highlight some of the key projects that best demonstrate my skills and contributions. These experiences have honed my ability to deliver innovative, high-quality software solutions in diverse environments.

### Hypamaps

*Remote (UK)*

FREELANCE DEVELOPER

2023

Hypamaps was my first commercial project in an English-speaking environment, presenting a steep learning curve and significant challenges.

As a solo developer, I was responsible for the end-to-end development of a web-based 3D interactive map.

Utilizing TypeScript and Three.js for the frontend, and Python with FastAPI for the backend, I integrated PostgreSQL for data management and deployed the application on Azure.

### Simple Wireplumber GUI

OPEN SOURCE DEVELOPER

2023

I initiated the 'Simple Wireplumber GUI' project, a user-friendly graphical interface designed to manage audio inputs and outputs on modern Linux systems.

This open-source solution aims to simplify Linux audio configuration, leading to over 10,000 downloads on Flathub. The community engagement was overwhelmingly positive, resulting in contributions such as translations into Turkish and Dutch, enhancing its usability and accessibility.

### Firefox GNOME theme

OPEN SOURCE DEVELOPER

2021

I contributed to the 'Firefox GNOME theme,' a widely acclaimed project that implements CSS modifications to integrate Firefox's visual design with the GNOME desktop environment.

My involvement, though brief, focused on enhancing specific aspects of the theme's compatibility and install process, ensuring a seamless user experience.