



CAIO OLIVEIRA


Full-Stack Developer

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SUMMARY

Bachelor's Degree of Science in **Computer Science** at the Federal University of Ceará (UFC). I have solid experience building **REST APIs** with **Python** (mainly using **FastAPI**, and also with experience in **Django**) and **TypeScript**, and I've worked with front-end technologies like **React** and **Svelte** with **Mantine**. I also have a good understanding of both relational (**PostgreSQL**, **MySQL**) and non-relational databases (**MongoDB**). Actively seeking a position as a **full-stack** or **back-end developer**.

SKILLS

Languages: Python, JavaScript/TypeScript
Front-End: React, Svelte, Mantine, Valtio, HTML5, CSS3
Back-End: FastAPI, Django, NodeJS, ExpressJS, MongoDB, PostgreSQL, MySQL
More: Docker, Git (Github & Gitlab)

EDUCATION

2020 **Bachelor of Science in Computer Science**
2024 Federal University of Ceará

EXPERIENCES

Jun/2022 Jun/2024	Development Intern Milenio Capital <ul style="list-style-type: none">Developed REST APIs utilizing Python (FastAPI), TypeScript (Node.js), and containerized the applications with Docker.Implemented an internal system in TypeScript using Node.js and Redis for tracking team activities in GitLab, periodically collecting data and displaying it in a Gantt chart format through both REST and GraphQL APIs.Developed an internal employee evaluation application using Python, FastAPI, MongoDB, and RSA/SHA encryption, with containerization via Docker. I also contributed to the front-end by implementing charts, forms, and data editing features using Svelte, Mantine, and TypeScript.Automated several tasks using Python and converted them into Windows executables with PyInstaller, replacing manual manipulation of large spreadsheets.Developed a custom Python-based system to track PowerBI metrics, enabling instant alerts via Microsoft Teams.Created an internal data management system using Python, FastAPI, and MySQL with a React and Mantine with Valtio - based front-end that displayed data in a spreadsheet format, allowing user editing.Performed unit testing on systems, including APIs and other Python-based applications, as well as applications built with TypeScript.Monitored production application logs using Kibana and ElasticSearch.Contributed to the development of a system that managed file allocation on S3.Authored technical documentation in English for various internal libraries and systems. Python TypeScript FastAPI Node React Svelte Mantine Valtio HTML CSS Docker MongoDB MySQL API Rest GraphQL Linux
Aug/2021 Jun/2022	Programming Instructor Code Kids Love <ul style="list-style-type: none">Developed educational materials and taught programming to children aged 7 to 17 using Snap! and Python. Incorporated Minecraft as a playful learning tool to make the educational process more engaging and accessible.Automated and optimized spreadsheet processing, significantly reducing manual effort and improving efficiency.Regularly participated in meetings conducted entirely in English with company leadership and also assisted in translating platforms and materials.Managed customer service and assisted with course sales Python JavaScript Spreadsheets Sales
Apr/2021 Apr/2022	Web Developer Container Digital Jr. <ul style="list-style-type: none">Developed custom and responsive WordPress themes for business websites and academic projects using HTML, CSS, Bootstrap, PHP, and JavaScript. WordPress PHP JavaScript HTML CSS Bootstrap

LANGUAGES

Portuguese
Native

English
Advanced
Fisk Centro de Ensino (660 hours)

Brazilian Sign Language
Intermediate
Federação Nacional de Educação e Integração dos Surdos (150 hours)

French
Beginner
Instituto Poliglota (120 hours)

PROJECTS

- Developed a system for **generating RPG game animations** from **sentence processing** in Portuguese, using **Python** with the **SpaCy** library and the **RPG Maker MV** engine. The website for displaying the generated dataset was developed in **React** with **Vite** and **Material UI**. This project was selected for an international Portuguese language processing conference. ([paper](#) and [website](#)).
- Built a **weather-based IoT device management system** using **TypeScript** with **Node.js** for the back-end, integrating the **Tuya** system API and a weather update system, with **PostgreSQL** as the database and Kotlin for the front-end ([front-end](#) and [back-end](#)).
- Developed a **carpool app** for the university campus using **React Native** for the front-end and **JavaScript** with **Express.js** for the back-end, with **PostgreSQL** as the database. The project includes geolocation and route calculation using graph algorithms ([repository](#)).