


# 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, 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 **Development Intern** Milenio Capital  
Jun/2024
- Developed **REST APIs** utilizing **Python (FastAPI)**, **TypeScript (Node.js)**, and containerized the applications with **Docker**.
  - Implemented an **internal system** for **tracking team activities** in GitLab, periodically **collecting information** and displaying it in a Gantt chart format using **TypeScript** with **Node.js** and **Redis**.
  - 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**-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 / React / Svelte / Mantine / HTML / CSS / Docker / MongoDB / MySQL
- Aug/2021 **Programming Instructor** Code Kids Love  
Jun/2022
- 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 / Sheets
- Apr/2021 **Web Developer** Container Digital Jr.  
Apr/2022
- 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. This project was selected for an international Portuguese language processing conference. ([paper](#)).
- 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](#)).