

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

## 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](#)).