Victor Assis

Software Engineer

 github.com/victorassiso   victorassis.dev   linkedin.com/in/victor-assis-oliveira   victor_assis@poli.ufrj.br

EXPERIENCE

Data Office of the Rio de Janeiro City Hall | *Software Engineer*   Jun. 2024 – Present

- **Civic Surveillance:**   Developed and maintained the front-end of a web application enhancing public safety by integrating over 3,000 cameras and 1,800 OCR radars. Built an interactive map with customizable layers, enabling users to select radars, visualize vehicle detections directly on the map, and access detailed information via tooltips. Additional features include advanced vehicle queries, automated report generation, and modules for personal data lookup and integration with municipal service and reporting apps.
- **Integrated Clinical History:**   Designed and maintained the front-end of a web portal for medical professionals to access consolidated patient histories from municipal primary healthcare facilities. The interface delivers key patient data such as demographics, chronic medications, allergies, and a detailed consultation history, focusing on an intuitive user experience to support informed, context-aware care.
- **Domestic Violence Support:**   Developed and maintained the front-end of a web platform supporting women in situations of domestic violence. The platform includes an empathetic onboarding process with a six-question survey to assess user needs, providing tailored guidance and referrals to public safety, healthcare, or specialized services. Features also include an interactive map of nearby resources and detailed information on types of violence to empower users and encourage them to seek help. Currently in its early stages, the platform is live at a staging URL and optimized for specific mobile screen sizes, with plans for broader device compatibility and additional features in ongoing iterations.
- **Key Technologies:**   Typescript, React, Next.js

Devex | *Intern*   May 2024 – Jun. 2024

- **Front-end:**   Developed and maintained React components and API calls for a Business Process Management Suite (BPMS), with modules focused on resource management and decision-making support.
- **Key Technologies:**   Typescript, React, Next.js

Smarthis | *Intern*   Jan. 2023 – Jan. 2024

- **RPA development:**   Designed and developed comprehensive process automation solutions that benefitiated hundreds of employees, generating savings of tens of thousands of hours of manual and repetitive work per year.
- **Key Technologies:**   Python, C#, UiPath.

PROJECTS

Restaurant Delivery Management System (app, api)   Jan. 2024 - Mar. 2024

A web-based system for managing restaurant delivery orders, featuring a fast and responsive interface, JWT and Cookies authentication, extensive test coverage, and Dockerized Prisma ORM database. Implemented light/dark themes and optimized performance through caching and loading strategies.

- **Key Technologies:**   Typescript, React, Node.js, JWT Auth, Fastify, Vitest, Prisma ORM, Docker, PostgreSQL.

EDUCATION

Federal University of Rio de Janeiro   Graduating in December 2026
Bachelor of Electronic and Computer Engineering

SKILLS

Proficient with: C/C++, Python, TypeScript, SQL, Docker, REST APIs, Automated Tests, Node.js, React.js, Next.js, FastAPI, Flask, Express, Fastify, SOLID, Design Patterns, Agile(scrum) and CI/CD
Fluent Languages: Portuguese and English