

GUILHERME NOVAIS DE SOUZA

+55 (31) 97574-7435 ◊ Belo Horizonte, MG, Brazil

guilhermenovaisdesouza@proton.me ◊ linkedin.com/in/guilhermenovaisdesouza ◊ guilhermenovais.dev

SKILLS

Languages	Java, TypeScript, Python, C
Frameworks	Spring Boot (WebFlux), NestJS, FastAPI, Vue.js, React
Databases	MySQL, PostgreSQL, MongoDB, Redis
Tools	Docker, Bitbucket Pipelines, AWS, Linux, Kafka, Grafana, CloudWatch
Practices	OOP, SOLID, Clean Architecture, REST APIs, Automated Testing, CI/CD

EXPERIENCE

Backend Developer Sep 2024 - Present
Segware *Campinas, Brazil*

- Implemented a decoupled integrator using Node.js (NestJS) and Kafka, based on REST APIs and asynchronous messaging, reducing coupling and eliminating direct database access.
- Resolved critical legacy issues leveraging Grafana and CloudWatch for log and metrics analysis, improving production stability.
- Integrated new devices through Java (Spring Boot) services and developed React interfaces for operational workflows.

Fullstack Developer May 2022 - Sep 2024
AGSinn *Belo Horizonte, Brazil*

- Maintained and enhanced access control systems built with Java (Spring Boot) and PostgreSQL, improving reliability and performance.
- Developed system integrations using Python (FastAPI) and refactored a self-service kiosk application with Vue.js, Linux, Bash, Python, and Java.
- Containerized applications with Docker and implemented CI/CD pipelines using Bitbucket Pipelines to automate build and deployment processes.

PROJECTS

SISPEQ. Quality control report generation system for oil refineries. Designed and implemented a fully reactive backend using Spring Boot (WebFlux), modular architecture, and modern Java practices for high-performance document processing. Developed the frontend with Vue 3 and TypeScript following clean architecture principles, ensuring scalability, maintainability, and strong separation of concerns across the stack.

EDUCATION

Bachelor of Information Systems, Federal University of Minas Gerais Mar 2022 - Jun 2027

Technical Degree in Electronics, Federal Center for Technological Education of Minas Gerais 2019 - 2021