

JHONATA DEMUNER

SOFTWARE ENGINEER – BACHELOR IN INFORMATION SYSTEMS

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SUMMARY

Software Engineer with experience developing robust and scalable systems for large-scale companies. Expertise in Spring Boot, with hands-on knowledge of Kotlin and Go. Proficient in using tools like Grafana and Docker for efficient monitoring and deployment of applications. Currently responsible for developing new features and microservices, as well as maintaining and improving a legacy project.

Technical Skills: Java, Spring Boot, JUnit, Kotlin, Go, RabbitMQ, PostgreSQL, MongoDB, Redis, AWS, DevOps, Node.js, TypeScript, React, NextJs, Grafana, Docker, Git

Languages: Native Portuguese

EXPERIENCE

Wine

Software Developer

(October 2023 - Present)

- Developed and maintained scalable software on the Spring platform, serving over 500,000 customers while ensuring high availability and performance.
- Debugged and optimized Spring Boot microservices, including a geolocation service, leveraging classification algorithms and caching to increase accuracy by up to 95% and reduce costs by 50%.
- Built robust messaging systems with ActiveMQ, applying parallelism techniques to decrease processing time to less than 10% of the previous duration.
- Utilized Redis for caching to optimize system performance and reduce latency in both new and legacy services.
- Resolved security vulnerabilities in the Spring-based backend, resolving 60% of all the issues identified during penetration testing.
- Delivered timely and efficient hotfixes during high-demand, high-pressure periods like Black Friday, ensuring system reliability during critical events.

EDUCATION

Bachelor's in Information Systems

(2022)

- Federal Institute of Espírito Santo - IFES
- GPA: 4.1

PROJECTS

Understanding the Functionality of the PageRank Algorithm Using Linear Algebra Concepts

- Analyzed Google's PageRank algorithm, highlighting the importance of links in ranking pages and discussing the involved mathematics, its advantages, limitations, and applications in web information retrieval.
- [Link to the article](#)

StudAI - AI-Powered Quiz Generation Platform

- Developed an AI-powered quiz platform using Spring Boot and FastAPI, integrating OpenAI for quiz generation from YouTube content.
- Led the design and contributed to the implementation of a scalable microservices architecture.
- Collaborated with the team to ensure functionality and a seamless user experience.
- [Link to the repository](#)

LocalIf - Native Android Image Recognition App

- Developed a native mobile app for IFES Campus Serra using Kotlin, Python, and C/C++.
- Collaborated with the team to develop the feature extraction algorithm for campus location identification.
- Designed and implemented the path calculation algorithm, ensuring efficient route calculation.
- [Link to the repository](#)