

Jay Morelli

SOFTWARE DEVELOPER · TECH LEAD

Portugal

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Summary

As a Tech Lead and Software Engineer at Siemens, I have been an integral part of the Industrial Edge project, actively influencing processes, contributing to architectural decisions, developing internal libraries, and enhancing internal documentation. My role involves significant cross-team collaboration and contribution. As a tech lead, I provide technical guidance, engage in pair programming, and act as a gatekeeper for quality and standards.

I thrive on sharing knowledge and assisting my colleagues, driven by a passionate and dedicated approach to my work. I believe this passion is my strongest trait and sets me apart. With a unique blend of technical proficiency, collaborative spirit, and a genuine drive for innovation, I am eager to contribute my skills and strive for excellence in every project.

Work Experience

Siemens

Portugal

TECH LEAD - GO SOFTWARE ENGINEER

June 2023 - Present

- Led the development of the Twin Library, a complex internal library inspired by the Kubernetes Operator Pattern, utilizing event-driven architecture
- Developed a library to parse complex filtering queries using ANTLR
- Conducted technical interviews and managed a team of 7 developers
- Provided mentorship and support to team members
- Facilitated cross-team collaboration and contributed to architectural decisions
- Engaged in full feature team responsibilities, including integration tests, feature development, and CI/CD processes
- Enhanced onboarding processes, developer, and project documentation
- Technologies: Go, Concurrency, Kubernetes, K3s, RabbitMQ, Docker, PostgreSQL, CI/CD, OpenAPI, Linux, Websocket, REST, Robot framework

Colt Technology Services

Portugal

SOFTWARE ENGINEER - CONTRACTOR

May 2022 - Jun 2023

- Contributed to the SD-WAN product team, focusing on rule definitions for firewall, steering, QoS, and analytics within a microservices architecture
- Developed new features and migrated microservices to the latest Java and Spring Boot versions (Java 17, Spring Boot 2.7.X) in a large codebase
- Adopted an API-First approach using the OpenAPI specification to design API contracts and ensure proper documentation
- Provided weekly production support to ensure product stability and timely issue resolution
- Managed databases with MongoDB and Oracle SQL, Kubernetes cluster with Rancher, and microservices communication with RabbitMQ and Spring Cloud
- Technologies: Java, Spring Boot, Maven, Spring Cloud, MongoDB, Oracle SQL, Rancher, RabbitMQ, CI/CD, OpenAPI, NodeJS, SOAP, Linux, Figma

Atos

Portugal

SOFTWARE ENGINEER

July 2021 - May 2022

- Co-coordinated and managed a team responsible for onboarding and training new interns
- Designed and developed backend REST APIs using a microservices architecture based on the Domain-Driven Design approach
- Developed the frontend using Angular
- Technologies: Java, Spring Boot, Maven, Spring Cloud, Spring WebFlux, Angular, MongoDB, Domain-Driven Design (DDD)

Certificates

- 2023 **AWS Certified Cloud Practitioner**, Amazon Web Services (AWS)
- 2022 **Oracle Certified Associate, Java SE 8 Programmer**, Oracle
- 2022 **Microsoft Certified: Azure Fundamentals**, Microsoft
- 2021 **Oracle Cloud Infrastructure 2021 Architect Associate**, Oracle
- 2021 **Oracle Cloud Infrastructure Foundations 2021 Associate**, Oracle

Education

UAlg(University of Algarve)

Faro, Portugal

B.S. IN COMPUTER ENGINEERING

September 2018 - June 2021