

Innovative and results-driven full-stack software developer. Proven track record in enhancing user experiences, optimizing application performance, and implementing scalable architectures. Adept at driving continuous improvement in dynamic environments.

Technologies and Languages

- Languages: Java, Python, TypeScript, JavaScript, Go, C#
- Technologies: AWS, Quarkus, Postgres, Angular, React, Terraform, Kubernetes, Github Actions
- Other: Git, Jest, JUnit, Cypress, Figma, Communication skills

Work Experience

Software Developer

Critical Techworks

Sep 2022–Present

Porto, Portugal

Leveraging collaborative efforts and domain expertise. My diverse skill set and commitment to excellence have enabled me to contribute successfully to various aspects of projects, including:

- Elevated product value by consistently delivering new features, optimizing codebases using industry-standard design patterns, maintaining multiple microservices in production, and providing direct customer support to ensure product functionality and scalability.
- Orchestrated migration of microservices to **Quarkus**, reducing costs, improving availability, and overall system efficiency.
- Boosted user retention and engagement, by designing and implementing a high available real-time notification system, leveraging multiple decoupled and scalable systems for personalized notifications.
- Developed and maintained infrastructure using **AWS** and **Terraform**, optimizing resource allocation and ensuring scalability and availability. Created custom **AWS CloudWatch Alarms** and **Lambdas**, enhancing application observability.
- Implemented unit tests with **Jest** and end-to-end tests with **Cypress** on the front-end, and used **JUnit** on the back-end fostering a test-driven development approach and ensuring code integrity and reliability.
- Led the migration of microservices' Jenkins pipelines to **GitHub Actions**, improving deployment processes by automating previously manual tasks, enhancing development workflow.

Software Developer Intern

Critical Techworks

Feb 2022–Sep 2022

Porto, Portugal

Engaged in continuous learning and contributed domain knowledge. Initiated and led efforts to optimize user experience through comprehensive technical enhancements:

- Implemented front-end techniques including code splitting and lazy loading in Angular to enhance initial loading time.
- Improved backend response times by enhancing existing queries, adding indexes to frequently accessed tables, and implementing in-memory service cache for frequently accessed endpoints or queries.
- Leveraged Lighthouse reports to fine-tune and validate front-end performance improvements.
- Developed stress tests to validate and measure back-end solution efficacy.

IT Department Coordinator

ISEP Informatics Student Center

2022

Porto, Portugal

- Steered the IT department, overseeing operations and supporting academic and administrative needs.
- Managed development team, streamlined workflows, and upgraded tech stack to enhance project efficiency.
- Provided mentorship and continuous feedback to team members, promoting professional growth.

Education and Certifications

- **AWS Solutions Architect Associate**, Amazon Web Services (AWS). **May 2024**
- **AWS Certified Cloud Practitioner**, Amazon Web Services (AWS). **Jan 2024**
- **B.Sc. Informatics Engineering**, Superior Institute of Engineering of Porto (ISEP), Porto. **2019–2022**

Projects

- **E-Learning Platform - AntiRecurso**: Open source learning platform that provided users with real-world exams for diverse subjects from Informatics Engineering course. Used Next.js and Tailwind to develop new features, for example: dynamic graphical representation of the students' grades.
- **Real Time Notification System**: Implemented a scalable, event-driven architecture proof of concept using Angular, Quarkus, and Kafka. Demonstrated real-time notifications and asynchronous messaging capabilities.
- **Aquapharma**: Implemented and deployed a responsive website using NextJs and Tailwind to showcase a health company portfolio and facilitate user contact submissions.