RICARDO FERREIRA

Full Stack Developer – Software Engineer

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Summary

An experienced full-stack developer with over 20 years of experience, specializing in enterprise digital payment applications. Proficient in backend development with Spring Framework and Java, creating RESTful APIs backed by SQL and NoSQL databases. Skilled in Angular for dynamic user interfaces and experienced in CI/CD for efficient code deployment. Expertise in managing scalable infrastructures with AWS (EC2, ECS, S3), leading successful migrations to containerized environments.

Demonstrates strong interpersonal, leadership, and problem-solving skills, fostering collaboration and driving team motivation. Recognized for excellent communication and mentoring abilities, guiding teams to successful project completion. Proactively tackles challenges to deliver high-quality results, ensuring alignment with organizational goals. Committed to continuous improvement and innovation, striving for excellence in all endeavors.

Work Experience

Full Stack Engineer
Sotech Digital Payments – Brazil -   **2007 – present**

Digital Payments Service Provider – https://www.sotech.com.br

- Developed a digital transfer funds and payments platform as a service for a fintech startup, utilizing Java 8+, Spring, Laravel for backend frameworks, and JavaFX, ReactJS and Angular for frontend development. The platform handles over 100,000 payment transactions daily, demonstrating robust and reliable performance.
- Spearheaded the deployment of a PCI-DSS-certified credit-card payment platform, integrating microservices tools and applications such as caching, reverse proxies, load balancers, AAA, SQL, and NoSQL databases, AWS EC2, and AWS ECS in a fully containerized environment. This deployment resulted in a reduction of more than 50% in the total cost of ownership and operations.
- Developed various backend applications to consolidate customer base operations, integrating with Oracle 11C, MySQL, and MongoDB databases. These applications offer comprehensive management services that fully automate the payment tracking process, enhancing efficiency and accuracy.

Tools: Java, Spring, ReactJS, Angular, MongoDB, Oracle, MySQL, Linux, AWS, Git, Jenkins, OAuth2

Staff Software Engineer
Vipway Telecom – Brazil   **2006/June–2007/October**

Internet Services Provider – https://www.vipway.com.br

- Developed backend VoIP applications using the 'Kamailio' framework and MySQL DB, catering to over 5000 customers, resulting in a 25% increase in system reliability and performance.
- Successfully delivered and integrated AAA services for VoIP, resulting in a 40% reduction in authentication and authorization response time.
- Created monitoring applications for distributed network service infrastructure, leading to a 30% decrease in downtime incidents and enhancing overall network stability.
- Conducted server load testing to evaluate system infrastructure capacity, ensuring the system could handle expected user demands and preventing potential performance bottlenecks.

Tools: C, MySQL, Linux, Apache, PHP

Tech Lead
ITC Telecom - Brazil
1995/January–2006/May
Systems Integration – Internet Services Provider

- Spearheaded the development of management tools for the Systems Integration Unit, delivering robust applications that significantly improved operational efficiency across key company sectors.
- Developed management tools for the Wireless ISP Unit within the LAMP framework, automating connectivity service provisioning and resulting in a 30% increase in service delivery speed.
- Introduced advanced technologies nationwide, positioning the company as the leading provider of systems integration solutions in Brazil and achieving 40% market share growth within two years.

Tools: Linux, Apache, MySQL, PHP

Key Projects

- **SimaTef© (SaaS Digital Payment Platform):**

  Architected and developed a SaaS platform that supports digital payments for thousands of retail stores. Integrated multiple payment services, handling substantial daily transaction volumes. Built using **Spring Framework**, **Oracle**, and **Docker**.

- **simatefPAY© (Online Payment App):**

  Designed and developed an online real-time payment app for retail stores, enabling payment collection via web links shared through SMS or social media. Developed using **Java 17**, **Spring Boot**, **MongoDB**, and **Angular**.

- **FinOps Platform:**

  Developed a real-time monitoring and management tool that tracks the status of microservices within the **SimaTef©** SaaS platform. Built using **Spring**, **Docker**, **Redis**, and **MongoDB**.

Skills & Tools

- Languages: Java, C, PHP, JavaScript
- Frameworks: Spring Boot, Angular, ReactJS, Laravel
- Cloud & Infrastructure: AWS (EC2, ECS, S3), Docker, Oracle Cloud
- Databases: Oracle, MySQL, MongoDB
- CI/CD & DevOps: Jenkins, Git, Docker, OAuth2
- Architectural Expertise: Microservices, RESTful APIs, Cloud Migration, Scalable Infrastructure

Academic Education

- Faculdade Unyleya

  Postgraduate Degree, Computer and Information Science

  2022 July – 2023 March

  Grade: Full-Stack Web Developer

Languages

- English: Advanced

- Portuguese: Native

Certifications

- AWS Foundational by aws.com, 2024
- AWS Practicioner by aws.com, 2024
- Oracle Cloud Certified Architect Associate by www.oracle.com (2023)
- Oracle Cloud Certified Foundations Associate by www.oracle.com (2023)
- PGDip in Full Stack Web Development by Unyleya University, DF, BR, 2023
- Javascript: Algorithms and Data Structures by FreeCodeCamp.org, 2023
- Responsive Web Design by FreeCodeCamp.org, 2022