

Diogo Sperandio

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Professional Summary

Fullstack Developer (Backend-heavy) with strong expertise in Golang, Java, and distributed microservices. Skilled in designing secure, scalable systems in fintech, logistics, and public sectors. Experienced with cloud services (AWS, Azure), event-driven architectures (Kafka, SQS/SNS), containerization, and frontend technologies (Angular, React). Committed to Clean Architecture, DDD, and Agile delivery with quantifiable engineering impact.

Core & Soft Skills

Languages & Frameworks: Golang, Java, C#, JavaScript, React, Angular, Spring Boot

Databases: PostgreSQL, MongoDB, OracleDB, MySQL, Informix

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Git, Jenkins, Github Actions, SonarQube

Messaging & Events: Kafka, AWS SQS/SNS

Practices: Clean Architecture, DDD, TDD, Observability

Methodologies: Agile (Scrum, Kanban)

Soft Skills: Communication, Responsibility, Resilience, Collaboration, Adaptability, Lifelong Learner, Self-Starter

Professional Experience

Software Engineer – Stone Co.

Brazil | Nov 2023 – Present

- Improved fraud detection efficiency by 15%, optimizing system response time and reducing false positives via Clean Architecture refactors and observability tools.
- Developed Golang-based financial services with high code quality, enforcing architectural rules, complexity thresholds, and full test coverage.
- Contributed to maintaining <24h average PR merge time across the team and 90%+ code audit compliance.

Tech Stack: Golang, AWS, Docker, Kubernetes, Prometheus, GitHub Actions, Grafana, PostgreSQL, Jira

Software Engineer – Casas Bahia Tecnologia

Brazil | Apr 2022 – Nov 2023

- Reduced cloud infrastructure costs by 70–80% by rearchitecting a monolithic Java consumer into 60+ modular Golang consumers.
- Each consumer instance operated efficiently with just 0.1 vCPU and 90MB RAM, enabling topic-level scaling and independent management.
- Refactored an API processing 8,000+ daily invoice requests, improving latency and observability with full monitoring and alerting.
- Achieved >90% test coverage and reduced CI/CD failure rate by 50%.
- Reduced PR review time by 40% through standardized test coverage and validations.

Tech Stack: Golang, Java, MongoDB, PostgreSQL, Docker, Kubernetes (AKS), Azure, Jenkins, SonarQube, JUnit, Go Test, Jira

Fullstack Developer – CSI Solução & Tecnologia

Brazil | May 2021 – Apr 2022

- Enabled 30% faster disaster response by delivering a real-time inventory system with automated resource tracking.
- Designed end-to-end features with Angular or React (depending on the system) and Java for emergency logistics, supporting public-sector resilience.

Tech Stack: Angular, React, Java (Spring), OracleDB, REST APIs, Git, Scrum

Software Developer – Autoglass

Brazil | Jun 2021 – May 2021

- Delivered 6+ features across HR and telephony systems, improving internal task automation by 25%.
- Developed dashboards, extension routing, and people management tools with a fullstack approach.

Tech Stack: Java, C#, Angular, JavaScript, MySQL, PL/SQL, Informix, Git, Scrum

Education

Postgraduate Degree – Distributed Software Architecture – Brazil

Bachelor's Degree – Mechanical Engineering – Brazil

Languages

Portuguese – Native

English – B2 (Upper-Intermediate)

Italian – Basic