

Diogo Sperandio

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Professional Summary

Fullstack Developer (Backend-heavy) with solid expertise in Golang, Java, and distributed microservices. Skilled in building secure, scalable systems in fintech, logistics, and government sectors. Experienced with cloud services (AWS, Azure), event-driven architectures (Kafka, SQS/SNS), containerization (Docker, Kubernetes), and frontend technologies (Angular, React). Strong advocate of Clean Architecture, Domain-Driven Design, and Agile delivery.

Core 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, Domain-Driven Design (DDD), TDD, Observability

Methodologies: Agile (Scrum, Kanban)

Professional Experience

Software Engineer – Stone Co.

Brazil | Nov 2023 – Present

- Developed Golang-based services under DDD and Clean Architecture for high-security financial operations.
- Maintained and evolved fraud detection features, tracking KPIs such as fraud attempt blocking rate and false-positive rates.
- Ensured audit-ready code through unit test coverage, complexity metrics, and peer-reviewed pull requests.
- Promoted a strong engineering culture with PR quality, architecture rule enforcement, and secure delivery practices.

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

Software Engineer – Casas Bahia Tecnologia

Brazil | Aug 2022 – Nov 2023

- Led the transition from a Java-based Kafka monolith to modular Golang consumers, reducing AKS infrastructure costs by ~70–80%.
- Each new consumer instance consumed just 0.1 vCPU and 90MB RAM, enabling topic-level scaling and independent deployments.
- Refactored a core API handling 6,000–8,000 daily invoice requests, adding test coverage, structured logging, and real-time observability.

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

Fullstack Developer – CSI Solução & Tecnologia

Brazil | Nov 2021 – Aug 2022

- Built a disaster response system managing inventory and resources in crisis scenarios.
- Worked on frontend (Angular) and backend (Java Spring) to support real-time tracking, resource allocation, and emergency logistics.

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

Software Developer – Autoglass

Brazil | Mar 2021 – Nov 2021

- Developed internal systems for corporate telephony and people management.
- Delivered fullstack features using Java, C#, Angular, and JavaScript.
- Managed backend integrations with MySQL, PL/SQL, and Informix for call routing, extension management, and HR dashboards.

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