

Felipe Rodrigues Ascari

Senior Software Engineer · Go & Distributed Systems

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SUMMARY

Senior engineer with 15+ years shipping backend systems, the last five focused on **Go** services in Fintech and Crypto domains. Led the design and implementation of a pricing consolidation API at McGraw Hill, and before that worked on high-volume logistics services at Mercado Livre under tight latency budgets. Writes about Go internals and concurrency, and builds AI-assisted development workflows for daily engineering work.

WRITING & OPEN SOURCE

Technical articles on Medium, dev.to, and LinkedIn (fascari.github.io) covering **Go internals**, concurrency patterns, and OpenTelemetry instrumentation. Built **cashback-platform**, a Go monorepo issuing ERC-20 cashback tokens on Ethereum with go-ethereum, Solidity, NATS JetStream, and gRPC. Maintains **ai-config**, a public collection of Copilot CLI skills and Claude workflows.

SKILLS

LANGUAGES

Go TypeScript / Node.js Java Solidity SQL

FRONTEND

React Angular AngularJS HTML / CSS

BACKEND

Event-Driven Microservices DDD Clean Architecture gRPC GraphQL Kafka / NATS

CLOUD

AWS (Lambda, Step Functions, SQS/SNS, ECS/Fargate) Azure Kubernetes Terraform GitHub Actions Docker

DATA & OPS

PostgreSQL Redis DynamoDB MongoDB Datadog OpenTelemetry New Relic Grafana

AI TOOLING

Copilot CLI (custom skills) Claude MCPs Obsidian / Zettelkasten Graphify

EXPERIENCE

Senior Engineer, McGraw Hill Educational · USA, Remote Sep 2024 – Present

- ▶ Led the design and implementation of a **Go** API consolidating pricing rules previously scattered across internal systems. Shaped the domain with **DDD** and **Clean Architecture**, and built the integration and unit test suites that gate the deploy pipeline. Also contributed to the **Angular** admin UI consuming the service.
- ▶ Designed serverless workflows on **AWS** (Lambda, Step Functions, SQS, SNS) to replace manual financial processes, and instrumented the services with **New Relic**, making latency and error hotspots observable instead of inferred from logs.
- ▶ Authored 20+ custom **Copilot CLI** skills for code analysis, design review, and implementation. Built persistent AI memory with Obsidian (Zettelkasten) and codebase knowledge graphs with Graphify, integrated with Claude and MCPs for daily engineering work.

Senior Engineer, Mercado Livre · Brazil, Remote Jan 2022 – Sep 2024

- ▶ Built high-volume event-driven **Go** microservices for logistics, operating under the squad's p99 budget of 100–200ms. Cache strategies and hot-path optimization were routine given request volume and dataset sizes.
- ▶ Contributed to delivery flows where failures had physical consequences, from trucks unable to pick up packages to distribution centers blocked from routing. Worked on package-vs-vehicle cost calculations for the daily delivery plan, reducing costs from mismatched carrier contracts, with on-call coverage for the shipment pipeline.
- ▶ Wrote a **TypeScript** BFF consolidating calls into a single mobile-facing contract with **React** touchpoints on the client, and contributed to Mercado Pago flows around Meli Dolar (MUSD), a cashback stablecoin, working through double-entry bookkeeping and consistency requirements of money movement at scale.

Software Architect, Ambev Tech · Brazil, Remote May 2021 – Jan 2022

- ▶ Delivered CT-e and MDFe transportation document systems supporting nationwide logistics for the AB InBev group, including on-call support for issuance flows during peak distribution windows. Led the migration from on-premises infrastructure to **Microsoft Azure**.

Software Architect / Senior Developer, Betha Systems · Brazil, On-site Jan 2010 – May 2021

- ▶ Led the migration of fiscal and tax systems for municipal clients from legacy monoliths to Spring Boot microservices on **PostgreSQL**, moving deployment cadence from monthly to daily. Worked full-stack on **AngularJS** UIs over the Java backend. Earlier work covered financial and ERP modules with **Oracle** query optimization.

Earlier roles · Sistema Info, Ciasoft · Brazil, On-site 2005 – 2009

- ▶ Built logistics ERP systems for transportation companies and municipal property-tax platforms for city governments.

EDUCATION

Postgraduate in Software Engineering, IPG, Brazil · 2011–2013

B.Sc. in Information Systems (Honorable Mention), University of Southern Santa Catarina, Brazil · 2006–2009

Technical Degree in Systems Analysis, SATC Technical School, Brazil · 2002–2004

Languages: Portuguese (Native) · English (Professional Working Proficiency) · Spanish (Intermediate)