

Felipe Canton Públio

Senior Backend Engineer | Go & Java | Payments & Cloud Platforms

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Summary

Senior Backend Engineer with **9+ years** of experience building high-scale financial and cloud platforms in **Go** and **Java**. Experience spans regulated payment receivables at Mercado Pago, a banking API serving **1.2 billion monthly requests**, and open-source developer tooling. Strong background in distributed systems, AWS, Kafka, and Terraform.

Technical Skills

Languages: Go, Java, Kotlin

Backend & Distributed Systems: Spring Boot, REST APIs, Kafka, RabbitMQ, Microservices

Cloud & Platform: AWS, Terraform, Kubernetes, Docker, Linux, GitHub Actions, CI/CD

Data: PostgreSQL, Cassandra, MongoDB, Oracle, MySQL

Experience

Mercado Libre (Mercado Pago)

Apr 2026 - Present

Software Engineer

- Build and maintain backend services in **Go** and **Java** for Mercado Pago's regulated payment-receivables infrastructure (*agenda de recebíveis*)
- Develop reliable processing flows that support compliance with Brazilian financial regulations

Magalu Cloud

Mar 2024 - Apr 2026

Senior Software Developer

- Spearheaded the design and delivery of the official **Go SDK**, **Terraform Provider**, and **CLI**, defining the developer experience for the platform
- Engineered a custom S3 multipart upload strategy in the CLI, achieving throughput **significantly faster** than AWS CLI and rclone
- Diagnosed and resolved critical memory leaks in the Go runtime, reducing steady-state memory consumption by **60%** and preventing OOM kills
- Automated the release engineering lifecycle across Homebrew, Snap, and Apt, reducing release time from hours to minutes
- Maintained key open-source repositories: [terraform-provider-mgc](#), [mgc-sdk-go](#), [mgccli](#)

Itaú Unibanco

Sep 2022 - Mar 2024

Senior Software Developer

- Re-architected the legacy Checking Account Balance API to a microservices pattern, maintaining **99.99% availability** while serving **1.2 billion monthly requests**
- Led the organizational adoption of **Go**, resulting in the migration of critical high-concurrency services and the establishment of internal development standards
- Built high-performance event-driven services using Java, Kafka, and Cassandra
- Automated AWS deployment pipelines with GitHub Actions to improve release reliability and delivery speed

AB-InBev (BEES)

Jun 2021 - Sep 2022

Senior Software Developer

- Architected a resilient data ingestion system handling **billions of monthly items**, utilizing **Java**, Spring Boot, and MongoDB for high-throughput processing
- Designed an idempotent event streaming pipeline with Kafka, eliminating duplicate transactions and ensuring strict data consistency at scale
- Optimized data quality workflows, reducing ingestion errors and improving downstream analytics reliability

Experience (continued)

Busque Seguro

Feb 2020 - Jun 2021

Software Developer

- Led development of an insurance comparison and contracting platform using Java, Spring Boot, MySQL, and AWS
- Implemented hotel guest insurance with partner integrations

Earlier Software Engineering Experience

Jun 2017 - Feb 2020

- **Iteris:** Built microservices with Spring Boot and Spring Batch using Oracle SQL; developed loan systems integrated with Banco do Brasil and Bradesco for Alelo clients
- **Valemobi:** Developed the TradeMap financial visualization platform using Java, Kotlin, and AngularJS
- **Optum (United Health Group):** Built Java/Spring Boot applications for Tableau report delivery to clients; contributed to dental X-ray fraud detection project

Selected Open Source & Speaking

- **Nerd na Cloud Guest:** Featured on Jovem Nerd's cloud engineering podcast to discuss **Terraform security** and cloud engineering.
jovemnerd.com.br/nerd-na-cloud
- **Technical Content Creator:** Produced educational content on Java and Developer Tooling, amassing **98,000+ views** and helping onboard junior developers. (publio.dev/yt)
- **Open Source Contributor:** Active contributor to the **DigitalOcean Terraform Provider** and **Homebrew**, focusing on documentation automation and package reliability.
- **mikrotik-dns Author:** Developed a widely-used open-source dashboard for MikroTik DNS analytics (**125+ stars**), adopted by the home-lab community.
github.com/publi0/mikrotik-dns

Education

- **Analysis and Systems Development** 2018 - 2020
Universidade Anhembi Morumbi, São Paulo
- **Electronics Technical Degree** 2014 - 2016
Escola Técnica Estadual, São Paulo

Certifications

- **MikroTik Certified Network Associate (MTCNA)** 2025
MikroTik (Issued Apr 2025)
- **Spring Cloud Microservices (FJ-33)** 2020
Caelum (Issued May 2020)

Languages

- Brazilian Portuguese (Native)
- English (Full Professional Proficiency)