

Marco Oliveira

Senior Software Engineer

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SUMMARY

Software Engineer with 6+ years of experience building high-throughput backend systems in Go. Specialized in fintech and payments, with hands-on experience at Itaú/Rede (SPB modernization, transaction processing) and regulated payments institutions (BACEN/CADOC compliance). Track record leading teams and scaling systems to 2,000+ transactions/min.

TECHNICAL SKILLS

Languages & Backend: Go (Golang), gRPC, REST APIs **Cloud & Infra:** AWS, GCP, Docker, Kubernetes, Helm, ArgoCD

Messaging: RabbitMQ, Kafka, SQS, SNS **Databases:** PostgreSQL, MySQL, Redis, DynamoDB

Observability: OpenTelemetry, Prometheus, Grafana **Practices:** SOLID, DDD, Hexagonal Architecture

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Asap Tech, Remote

Mar 2025 – Present

- Architected automated CADOC regulatory document generation for 3 credit card issuers, integrating BACEN validator for 100% compliance accuracy with real-time alerting on rule violations
- Build and maintain 6+ report types across daily, weekly, and monthly submission cycles using Go and RabbitMQ for asynchronous processing, deployed on AWS with Docker and Kubernetes

Senior Software Engineer | Zup Innovation (Itaú/Rede), Remote

Apr 2024 – Mar 2025

- Contributed to modernization of Itaú's SPB (Brazilian Payment System) services, migrating critical financial infrastructure to a multi-cloud architecture
- Joined Rede's backend modernization of transaction processing systems, redesigning services as BaaS components for multi-cloud deployment
- Built observability dashboards with Grafana, Prometheus, and OpenTelemetry; microservices in Go with cell-based architecture and ArgoCD deployments

Tech Lead | Klever, Remote

May 2022 – Apr 2024

- Led team of 6 (2 BE, 2 FE, 1 PO) building a multi-chain custody system for NFT gaming; processed 2,000+ on-chain tx/min avg, 100K+ off-chain transfers at launch
- Built real-time blockchain auditing system that detected unauthorized hot/cold wallet transactions instantly on-chain, triggering a progressive incident escalation pipeline (Slack → email → phone call) with automated containment procedures
- Managed real-time infrastructure scaling during Devikins launch (20K+ signups) — autoscaling pods, CPU, and memory to handle demand spikes

Backend Developer | Klever, Remote

Jan 2021 – May 2022

- Core contributor to Klever Exchange from POC to production: 1M+ daily order matches, 5K concurrent users, \$250K+/day trading volume, 60+ trading pairs
- Co-designed and built the core match engine using a distributed, resilient architecture where each trading pair operated independently; load-tested to validate high-throughput performance
- Championed testing culture company-wide: introduced test pyramid practices, sqlmock for DB unit testing, and SonarQube CI gates with incremental coverage targets that blocked PRs below threshold

Mobile Developer | Klever (formerly Getty/IO), Remote

Sep 2019 – Dec 2020

- Maintained and evolved TronWallet and Klever Browser, integrating multi-chain support (BTC, ETH, TRX, BNB). Stack: React Native, Redux, Jest, Espresso

EDUCATION

Computer Science — Universidade Federal de São Carlos (UFSCar)

2017 – 2020

CERTIFICATIONS

Hexagonal Architecture — Full Cycle (2024) | SOLID Express — Full Cycle (2023)