

Marcos Nickel

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SUMMARY

Backend-focused Software Engineer with 4+ years of experience building and operating high-throughput systems in Go and Node.js. Hands-on experience with services handling 500K+ requests per minute in production, designing for resilience (circuit breakers, retries, rate limiting) and observability. Comfortable across the stack with TypeScript/React when needed, and currently deepening expertise in distributed systems and cloud infrastructure.

EXPERIENCE

Software Engineer

Jan 2026 – Present

Salsa

San Francisco Bay Area – Remote

- Building payroll and tax-compliance features end-to-end across backend (Kotlin, Spring Boot, GraphQL, PostgreSQL) and frontend (Next.js, React, TypeScript).
- Shipped the Audit Log feature end-to-end, enabling partner admins to investigate changes in their organization's data.
- Delivered the New Hire Reporting (NHR) compliance pipeline.
- Migrated Reconciliation Tax Statements (RTS) processing to async, improving response time.
- Partner closely with product, design, and operations to scope features and shape what ships.

Software Engineer

Sep 2024 – Jan 2026

Mercado Libre

São Paulo, Brazil

- Refactored a high-traffic Go service handling 500K requests per minute, reducing latency by 20ms via idiomatic Go and bottleneck removal.
- Improved service uptime by 18% by introducing retries, circuit breakers, rate limiting, and caching across critical paths.
- Recalibrated alert thresholds and observability rules, reducing false alarms by 30% and improving on-call signal-to-noise ratio.
- Led the backend and frontend internationalization (i18n) rollout across six projects, enabling multi-region accessibility.
- Collaborated with cross-functional teams on microservices architecture and observability best practices using Datadog.

Software Engineer

Jan 2024 – Sep 2024

NowCM

Luxembourg – Remote

- Optimized a bound generation endpoint using Goroutines and concurrency primitives, reducing latency from 120ms to 70ms.
- Implemented CI/CD pipelines with GitHub Actions deploying to Kubernetes, supporting an AI-driven document automation platform for European banks.
- Worked on backend services in Go for the NowDocs platform, contributing to 88% test coverage across unit, integration, and end-to-end tests.
- Built frontend screens with Next.js and Tailwind for document creation workflows.

Software Engineer

Nov 2022 – Jan 2024

minu.co (Minutrade)

São Paulo, Brazil

- Built and maintained Node.js APIs with async I/O patterns, cutting endpoint latency by 20% during traffic spikes.
- Designed a security patch using NodeJS and cryptography to prevent unauthorized prize redemptions, contributing to a 10% revenue increase.
- Built a modular CMS using Strapi to centralize content across microservices, reducing content management costs by 25%.
- Introduced structured logging across 10 microservices with Datadog, reducing error resolution time.

Software Engineer Intern

Jun 2022 – Nov 2022

minu.co (Minutrade)

São Paulo, Brazil

- Integrated Kafka pipelines into existing services to improve resiliency and decouple workloads.
- Built reusable React form components with react-hook-form, reducing form-related data entry errors by 20%.
- Improved frontend performance via lazy-loading and media optimization.

TECHNICAL SKILLS

Languages: Go, TypeScript, JavaScript, Kotlin, Java

Backend: Node.js, Spring Boot, REST APIs, GraphQL, gRPC, Microservices

Frontend: React, Next.js

Data: PostgreSQL, MongoDB, Redis, Kafka

Infrastructure & Tooling: Docker, Kubernetes, AWS (EC2, S3, IAM), Datadog, GitHub Actions, Git

Practices: High-traffic system design, fault tolerance patterns, observability, CI/CD, code review

EDUCATION

BSc Computer Science

Feb 2022 – Jun 2025

Anhembi Morumbi University

São Paulo, Brazil

LANGUAGES

English (C1 – EF certified) | Portuguese (Native) | Spanish (Intermediate)