

# Marcos Nickel

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## SUMMARY

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Backend Engineer focused on Golang, AWS, and infrastructure tools (Terraform, Kubernetes). Experienced in designing resilient systems, CI/CD pipelines, and performance optimization across large-scale applications.

## EXPERIENCE

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### Software Engineer

Sep 2024 – Present

*Mercado Libre*

*São Paulo, Brazil*

- Refactored high-traffic Golang service (500K RPM), reducing latency by 20ms via idiomatic Go and removal of bottlenecks.
- Provisioned infrastructure with Terraform (modules, workspaces) for multiple AWS services, automating consistent environments.
- Improved alert reliability by recalibrating error thresholds, reducing false alarms by 30%.
- Enhanced uptime (+18%) via retries, circuit breakers, rate limiting, and caching.
- Led backend/frontend i18n rollout to support multi-region accessibility.

### Software Engineer

Dec 2023 – Aug 2024

*NowCM*

*Luxembourg - Remote*

- Designed and implemented CI/CD pipeline (GitHub Actions + K8s), reducing deployment errors.
- Optimized bound generation endpoint with Goroutines, reducing latency from 120ms to 70ms.
- Reduced API latency with caching, connection pooling, and async Node.js logic.
- Managed AWS infrastructure (EC2, S3, IAM) for secure dashboards.

### Software Engineer

Feb 2023 – Dec 2023

*Minutrade*

*São Paulo, Brazil*

- Tuned Node.js APIs with async I/O, cutting latency 20% during spikes.
- Wrote CPU/memory metadata for environments, improving container stability.
- Built modular CMS with Strapi, reducing content costs by 25%.
- Integrated AWS S3 for asset delivery. Built real-time dashboards in React.

### Software Engineer Intern

Jun 2022 – Feb 2023

*Minutrade*

*São Paulo, Brazil*

- Integrated Kafka pipelines to improve app resiliency.
- Improved page performance via lazy-loading and optimized media.
- Built scalable React forms with validation using react-hook-form.

## CERTIFICATIONS

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### AWS Certified Cloud Practitioner

Issued Jul 2025

*Amazon Web Services*

- Validated cloud architecture, IAM, and AWS service knowledge.

## EDUCATION

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### BSc Computer Science

Feb 2022 – Jun 2025

*Anhembi Morumbi University*

*São Paulo, Brazil*

## LANGUAGES

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English (C1) — Portuguese (Native) — Spanish (Intermediate)