

Marco Antonio Sandoval Espinosa

Senior Software Engineer | Go, TypeScript & Cloud Architecture

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SUMMARY

Senior Software Engineer with 7+ years building products at high-growth startups, leading cloud migrations and optimizing production systems. Technical leader and mentor with a results-driven approach, driving efficient engineering through AI, automation, and continuous process improvement.

SKILLS

Backend & Architecture: Go, Node.js, PostgreSQL, MongoDB, Redis, Microservices, Serverless Architectures

Frontend & Web: TypeScript, React, Next.js, HTML5, CSS3, Tailwind CSS, SCSS

Cloud & Infrastructure: AWS, Docker, Terraform, GitLab CI/CD, Vercel, Linux

AI & Observability: LLM Integration (Anthropic API, Open-Source/Local Models), Model Context Protocol (MCP), Sentry, Grafana

EXPERIENCE

Senior Software Engineer

Dec 2025 – Present

Commando Studio

- Architect low-latency Go microservices and serverless workflows integrating POS systems, payment gateways, and Odoo ERP for core business operations.
- Automated payroll reconciliation with a Go and Next.js application, cutting processing time 98% (from 6 hours to 5 minutes) and eliminating manual entry errors.
- Integrated AI coding agents and Model Context Protocol (MCP) tools into daily engineering workflows, accelerating feature delivery, automated testing, and documentation.
- Maintain GitLab CI/CD pipelines, Infrastructure as Code (Terraform), code reviews, security audits, and technical mentorship across the engineering team.

Tech Lead

Jan 2020 – Jul 2025

Flink / Webull MX

- Led an engineering team of 4 developers, driving web architecture standards, technical roadmap, and team mentorship.
- Orchestrated the migration of legacy monoliths to containerized AWS infrastructure (ECS, Lambda, RDS) in 3 months, reducing costs and eliminating operational bottlenecks.
- Architected scalable transactional email infrastructure handling 50K+ daily sends and a secure 2FA authentication system serving 2K+ daily active users.
- Standardized the organization's web architecture on Next.js and TypeScript, eliminating codebase fragmentation and accelerating new-developer onboarding.

Frontend Developer

Oct 2018 – Dec 2020

Forward Company

- Developed features across a Laravel-based Learning Management System (LMS), refactoring legacy CSS to modern SCSS to improve style maintainability and scalability.
- Built interactive React components integrated with Laravel Blade templates, delivering responsive UI features and improved user experience.

EDUCATION

Software and Networks Engineering

2023 – Present

UVM – Universidad del Valle de México

Physics

2009 – 2015

UNAM – Universidad Nacional Autónoma de México

LANGUAGES

Spanish (Native) · English (Advanced)