

Full-Stack & Cloud Engineer

Marco Antonio Pozol Narciso

Email: marcoantoniopozolnarciso@gmail.com

LinkedIn: [LinkedIn](#)

Portfolio: [Portfolio](#)

Phone: +52 712 192 14 70

GitHub: [GitHub](#)

Full-Stack & Cloud Engineer with extensive experience architecting mission-critical solutions that bridge hardware, cloud infrastructure, and financial systems. Specialist in business process automation and the monetization of physical devices through SaaS models. Highly focused on mitigating operational errors and scaling infrastructure via hybrid and Serverless architectures.

EXPERIENCE

Software Engineer & Cloud Architect | REGAMSA Medical

01/2026 - Today

Mobile-First ERP & Workflow Automation

- Industrial Process Optimization: Engineered a custom ERP under a Mobile-First architecture, streamlining the workflow from initial purchase orders to final delivery and eliminating critical bottlenecks within the engineering department.
- Real-Time Data Visualization: Implemented an operational "semaphore" system using MQTT and WebSockets, enabling department heads to monitor assembly and logistics status with 100% precision.
- Operational & Technical Debt Reduction: Automated the generation of technical reports that previously required hours of manual labor from the mechatronics team, allowing for the reallocation of resources to high-value tasks.
- Hybrid Architecture (Server/Serverless): Deployed a robust backend utilizing FastAPI (on-premise) and AWS Lambda (cloud), ensuring 24/7 availability and seamless communication between the manufacturing plant and remote management.

FullStack & Cloud Engineer | REGAMSA Medical

11/2025 - Today

IoT SaaS Ecosystem

- End-to-End Architecture Design: Developed a comprehensive SaaS ecosystem for IoT device management, integrating AWS IoT Core with payment gateways (Openpay/Facturapi) to fully automate the subscription lifecycle.
- Automated Provisioning & Security: Engineered a remote and local "Kill Switch" logic that deactivates AWS IoT certificates and local services (Mosquitto) upon payment expiration, safeguarding the integrity of the business model.
- Payment & Billing Automation: Integrated WebViews and Webhooks for real-time payment processing and automated e-invoicing, reducing the accounting department's administrative overhead by 100%.
- Scalable Infrastructure: Orchestrated Serverless services (AWS Lambda) and high-performance relational databases (Aurora DSQL) to manage device and user states with ultra-low latency.

EDUCATION

Computer Systems Engineering

Expected Graduation - 06/2026

Universidad Virtual del Estado de Guanajuato (UVEG)

SKILLS

Cloud: AWS (IoT Core, Lambda, Aurora DSQL, CloudWatch, EventBridge, IAM, S3, DynamoDB, API Gateway, Cognito).

FullStack: TypeScript, JavaScript, ReactJs, VueJs, Python, FastAPI, Django, NodeJs

Mobile: React Native, Flutter (Dart)

Databases: PostgreSQL, MongoDB, Redis

Tools & Protocols: Docker, GitHub, MQTT, HTTP, UnitTestRaspberry Pi, Linux (Systemd, Bash)

Other: Teamwork, Organization & Planeation, Deep Analysis, Adaptability, Priority Management.

English: B2 Conversational