

Mayte Giovanna Hernández Ríos

Forward Deployed Engineer · Lead AI Engineer · Co-founder

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SUMMARY

Forward Deployed Engineer with 4 years of client-facing experience delivering production systems across full-stack development, data platforms, cloud infrastructure, edge/IoT and cybersecurity. I work from ambiguous client requirements through architecture, implementation, migration, deployment and incident response. Bilingual Spanish/English. AWS Certified Solutions Architect Associate.

EXPERIENCE

Forward Deployed Engineer · Solanthic Engineering

Jul 2026 · Present

- ▶ Embedded with an enterprise retail deployment, owning the software between cash-handling IoT kiosks and a multi-tenant monitoring platform.
- ▶ Established code review, ADRs, docs standards, testing strategy and CI quality gates (GitHub Actions, Rust + TypeScript) across five repos for a team that had none; mentored teammates and client engineers; delivered 158 PRs in six weeks.
- ▶ Ran a live database archival and cleanup from 18 GB to 6 GB, moving ~13.9M rows to S3 Glacier with resumable, idempotent scripts while production ingestion stayed up.
- ▶ Built a Python MQTT bridge that publishes device events to AWS IoT Core over mTLS (retries, heartbeats, deterministic message IDs); validated it with a 16,564-event replay in an AWS dev environment: zero loss, empty DLQ, cross-tenant spoofing rejected.
- ▶ Technical link between the client's operations team, the hardware partner's engineers and leadership: weekly syncs, written recaps with owners and dates, in English and Spanish.

Lead AI Engineer (freelance, remote) · Mi Primera Chamba

2026 · Present

- ▶ Led AI engineering for a live bilingual early-career job marketplace, co-built with the CTO: swipe-style discovery, explainable CV-to-role matching and a Chrome MV3 extension with form-filling adapters for 7 ATS sites.
- ▶ Built an LLM-as-judge meta-eval for interview-prep feedback: golden dataset with population slices and adversarial classes, 5-dimension rubric with 5 hard flags, reasons-before-scores and input escaping.

Cloud Support Engineer · Amazon Web Services

Sep 2024 · Sep 2025

- ▶ Resolved 200+ complex enterprise cases at 95%+ CSAT, troubleshooting S3, DataSync, Lambda and Storage Gateway in customer production environments.
- ▶ Automated infrastructure workflows with Python, improving team efficiency by 25%.

Infra Build IT Specialist I (DataFlow) · Santander Global Services

Apr · Jul 2026

- ▶ Scripted ingestion of Teams threads and SharePoint docs into Markdown, building an internal knowledge base the team queried through an AI assistant instead of waiting on the Spain timezone.

Co-founder & AI Developer · Positronica Labs

Jan 2026 · Present

- ▶ Women-founded studio for local-first AI. Products: TallyGraph (live multi-tenant AI and cloud spend console) and FairHire (hackathon proof of concept: CV-to-role fit and gender pay gap). Publish LLM benchmarks on HuggingFace under the lab.

Bilingual Customer Support · Concord, Atento, Telvista, Concentrix

2021 · 2024

- ▶ Three years of client-facing work in English: technical support, sales and collections under strict SLAs and compliance rules.

PROJECTS

TallyGraph

tallygraph.dev · live

- ▶ Live AI-spend console (multi-tenant, Stripe, Postgres RLS) with per-tenant isolation proven by RLS tests in CI. ~52k LOC, 600+ unit tests, 8 scheduled jobs.

Sendero

2nd place · Platanus Hack 2026

- ▶ Disappearance-risk map for Mexico built with 3 parallel agents and geographic dedup; won Best Use of Firecrawl.

SKILLS

AI Anthropic Claude, RAG, agents (LangGraph / LangChain), prompt engineering, embeddings & vector search, evals
Cloud AWS (IoT Core, ECS, SQS, S3/Glacier, Lambda), Terraform / IaC, CI/CD (GitHub Actions), Cloudflare, Vercel, serverless
Build Python, Rust, TypeScript, React / Next.js, Tauri, REST APIs, OAuth/webhooks, full-stack product delivery
Data PostgreSQL / pgvector, Supabase, RLS/RBAC, schema and data migrations, archival and retention, ChromaDB, TiDB
Spoken Spanish (native), English (advanced, daily professional use)

CERTIFICATIONS & EDUCATION

AWS Certified Solutions Architect, Associate (SAA-C03), 2026, valid through 2029

UNAM Mathematics, Faculty of Sciences · coursework completed; degree in progress

IPN Mechanical Engineering (partial), 2015 to 2017

Programs International Leadership Program 2026 (U.S. Embassy MX) · AI Skills 4 Women (Founderz x Microsoft)