

# Jesús Dones Estrada

Cloud / AI / Software Engineer

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 Remote, worldwide

## PROFESSIONAL SUMMARY

AWS-certified engineer with 2+ years delivering automated, version-controlled infrastructure and software. Builds Python APIs for serverless workloads, architects self-hosted multi-model LLM inference platforms, and designs hierarchical multi-agent AI systems. Owns the whole stack — architecture, automation, and operations — across cloud, AI, and software.

## TECHNICAL SKILLS

**Cloud & Infrastructure** AWS (Lambda, API Gateway, DynamoDB, S3, IAM, CloudWatch, CloudFormation, Amazon Q Business), IaC, Serverless, Docker, Linux

**AI & Machine Learning** RAG, LlamaIndex, local LLM inference (llama.cpp / ik\_llama.cpp, llama-swap), GGUF quantization, multi-agent design, prompt engineering

**Automation & Development** Python, PowerShell, Bash, Git, CI/CD, HTML5 / CSS3 / JavaScript, SQL

**Networking & Security** VLAN segmentation, Tailscale (zero-trust), Cloudflare Tunnels, Pi-hole DNS, AWS IAM, Windows hardening

**Languages** Spanish (Native) · English (Native / Bilingual)

## PROFESSIONAL EXPERIENCE

**Advisor, Application & Database Administrator** — Oriental Bank, San Juan, PR Oct 2024 – Present

- ▶ Standardized AWS infrastructure delivery with CloudFormation — repeatable, version-controlled provisioning across application platforms.
- ▶ Designed and deployed an event-driven Amazon Q Business knowledge base (S3 + Lambda), replacing a fixed-schedule job with change-triggered indexing.
- ▶ Automated report validation in PowerShell, detecting malformed data before ingestion and preventing downstream SQL pipeline failures.
- ▶ Own IAM and CloudWatch practices in a regulated, auditable environment.

**Independent IT & Cloud Consultant** — Caguas, PR Sep 2021 – Present

- ▶ Architected a private cloud storage platform (Docker · Nextcloud · ARM) with Cloudflare Tunnels for zero-trust access.
- ▶ Designed responsive landing pages for small-business clients (HTML/CSS/JS) integrated with digital marketing campaigns.
- ▶ Deployed network-wide DNS filtering (Pi-hole), improving security posture and bandwidth utilization.

**IT Technician** — Computer & Security Outlet, Caguas, PR Mar 2019 – Oct 2021

- ▶ Diagnosed and resolved complex hardware and software failures, minimizing disruption for commercial clients.

## SELECTED PROJECTS

**Self-Hosted Multi-Model LLM Inference Platform** — Dedicated GPU inference server, bare hardware to production workload. Runs quantized LLMs locally (27B reasoning/coding + 35B vision-capable) with hot-swap routing via llama-swap on ik\_llama.cpp. Assembled the platform (AMD Ryzen 9, dual RTX 5060 Ti, 64GB DDR5), tuned dual-GPU tensor distribution, and diagnosed a precision setting corrupting mixture-of-experts activations.

**Multi-Agent AI Orchestration System** — Hierarchical multi-agent LLM system: a routing coordinator dispatching to specialist sub-agents, with reusable skill modules, a knowledge-base memory layer, and full documentation.

**Serverless RAG Chatbot & B-Serverless** — Retrieval-augmented chatbot (LlamaIndex) and an end-to-end serverless application (Lambda, API Gateway, DynamoDB, IAM).

**Segmented Home-Lab Network** — Three-VLAN network isolating AI/compute, wireless, and management traffic, with Tailscale for authenticated remote access without exposed ports.

**CERTIFICATIONS & EDUCATION**

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|---------------------------------------------------------------|--------------------------------------------------------|
| <b>AWS Certified Cloud Practitioner</b> — Amazon Web Services | <b>B.S., Cloud Computing</b> — WGU (expected Dec 2026) |
| <b>AWS AI Practitioner</b> — in progress                      | <b>CompTIA A+ · Cloud Ops · Cloud Fundamentals</b>     |