# Elier Fajardo

Applied AI Engineer | Santo Domingo, DR (UTC-4) | Remote
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## Summary

Applied AI engineer who builds LLM agents and workflows for production and measures them with offline and online evals. Shipped a production financial-research agent, an internal platform of role-specific coding agents, and an LLM extraction workflow that has processed 6,000+ lab orders. Python and TypeScript; native Spanish, advanced English.

## Core Skills

- **Agents:** LangGraph, tool calling, structured outputs, MCP servers (FastMCP), human-in-the-loop, Claude Code / Codex skills & subagents, Vercel AI SDK, WhatsApp agents on Kapso (message debouncing, deduplication, human handoff)
- **Evals & Observability:** offline evals (golden datasets, regression in CI), online LLM-as-judge on production traces, eval calibration against user satisfaction (judges and datasets), LangSmith
- **Models & Cost:** Claude, OpenAI / Azure OpenAI, Gemini, OpenRouter, prompt caching, model selection by cost and task benchmarks
- **Retrieval & Data:** hybrid search (lexical + vector), pgvector, SQL Server vectors, Azure AI Search, PostgreSQL, Supabase
- **Engineering:** Python, TypeScript, FastAPI, Next.js, React, Docker, Azure (Container Apps, AI Foundry), Vercel, GitHub Actions

## Experience

**Applied AI Engineer** May 2025 – Apr. 2026
*QuanTech, DR* *Remote*

- Built **Robin**, a production market-research agent: LangGraph plan-and-execute with 28 tools over SQL Server and Azure AI Search, plus human-in-the-loop clarification.
- Ran an LLM hallucination judge on **100% of production answers** (LangSmith); every agent change was evaluated against a golden dataset.
- Built the **Company Brain**: governed company knowledge that AI agents query through an **MCP** server with hybrid search and per-team access keys; in production on Azure.
- Built an internal **agent platform** of role-specific Pi, Claude Code and Codex harnesses (Product, Design, Growth, Frontend), used to prototype product features, visuals, client brochures and more; tuned the agents with evals for task decomposition (53% to 100%) and business-rule compliance.

**Founder & AI Engineer** May 2025 – Present
*NeuroNautas Labs* *Santo Domingo, DR / Remote*

- Built an optical lab's order platform with an LLM step that turns photos of handwritten prescriptions into validated orders: **6,000+ orders from 210+ shops**; **98.8% field accuracy** on a golden set re-run on every model change.
- Built and piloted a WhatsApp order agent for the same lab (LangGraph, Kapso) that reads text, voice notes and prescription photos, validates lenses against manufacturing rules and hands off to staff.
- Built a WhatsApp support agent for an English institute that **resolved about 60% of messages without a human** in pilot, tuned with offline evals on a 45-case golden set and an LLM judge calibrated to human labels.
- Co-built **IKARO** (ikaro.pro), a recruiting platform where an AI agent screens candidates' skills, preferences and conditions, then LLM comparisons rank them per role; **143 candidates** assessed for a pilot company's 4 open roles.

**Frontend Developer (Freelance, Part-time)** May 2025 – Sep. 2025
*DigitizeThings, USA* *Remote*

- Built the frontend (React, React Flow) of an internal low-code platform where employees compose CrewAI workflows in a visual node editor.

**Data & AI Engineering Intern** Sep. 2024 – Apr. 2025
*Master Data Analysis, Puerto Rico* *Remote*

- Extracted complex financial statements into structured JSON with GPT-4o structured outputs; built a LangChain + PostgreSQL RAG over time-series bank data.

**Chatbot Developer** Jan. 2024 – Dec. 2024
*Falitech, DR* *Remote*

- Built AI agents and workflows for clients on Falitech's low-code platform, including a teaching chatbot used by 200+ university students.

## Achievements & Speaking

**1st place, Machine Learning Datathon 2024** — Sep. 2024
*Datathon 2024: Edición Universitarios y Profesionales, Reto 2* — *Santo Domingo, DR*

**Speaker: Agents & AI Engineering, AI Tools for Business** — 2025 – 2026
*UNPHU, Fundación Enlata, Dominicana Tech Week, JCI, GEW* — *DR*

## Education

**B.S. Physics *(in progress)*** — Santo Domingo, DR
*Universidad Autónoma de Santo Domingo* — *Sep. 2023 – Present*

**Microdegree in Artificial Intelligence; Generative AI Bootcamp** — Online
*Fusemachines; Talendig* — *2023 – 2024*

**Azure DevOps: CI/CD Pipelines**, Platzi Certification — Online