

Pedro Rodas

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PROFESSIONAL EXPERIENCE, Software Engineer | AI / ML Engineer

Founder & Full-Stack | AI/ML Engineer – Davaki Innovations Co. Ltd. • New York/Quito Hybrid • Jan 2020 – Dec 2025

Pharma start-up best known for affordable, high-bioavailability drugs.

- **Shipped internal supply-chain optimizer** (Python, scikit-learn) that cut procurement lead-time **-25 %** and saved **\$120 K/yr**.
- Built a packaging-design automation tool using **CV + generative AI** to render 3-D mock-ups, slashing time-to-market from 2 weeks to **3 days**.
- Hired & led 5-person cross-functional dev / ops team; grew annual revenue from \$0 → \$1.2 M in 4 yrs.

Software Engineer & Co-Founder – Kankaru.com (stealth) • Beijing/Remote • Jun 2017 – Aug 2018

Logistics SaaS platform tackling last-mile delivery and local services in Asia.

- Designed and prototyped a bilingual logistics super-app architecture using Java/Java EE, WildFly/JBoss, MySQL, JPA/Hibernate, and Android.
- Built map-based request, partner-matching, live tracking, payment, and rating workflows using Android, Firebase, Google Maps API, and PayPal/Braintree APIs.
- Led product ideation, service taxonomy, information architecture, mobile/web wireframes, and investor demo walkthroughs for early fundraising conversations; secured **\$50 K** seed commitments.

AI Team Lead (Top-3 Finish) – Crossingz Hackathon • New York, NY • Apr 2024

- Guided 5-person crew through a 6-hr sprint to prototype **“Skills-Exchange” GenAI app**; live-demoed to 200 attendees, placing **3rd / 25 teams**.
- Integrated OpenAI embeddings + MongoDB Atlas to power semantic talent/skill matching for the live prototype.

SELECTED PROJECTS

AilaBank (2025): Voice-first agentic stablecoin fintech using OpenAI, Cloudflare STT, ElevenLabs, Circle/Arc, Solidity, Supabase, Redis; built intent → transaction orchestration and wallet flows. | **Cyberthreat Intelligence Agent** (2025): MCP-powered security analyst using FastAPI, OpenAI, VirusTotal, WhoisXMLAPI, Auth0, Kong, PostgreSQL, Docker/K8s to generate structured threat reports. | **AI Gym & Dietary Coach** (2026): LangGraph + Claude vision agents for meal-photo nutrition estimation and MPS-aware coaching; built React PWA, FastAPI backend, Supabase auth/data layer.

EDUCATION

MicroMasters, Machine Learning with Python – Massachusetts Institute of Technology MIT xPRO • 2021

M.S. Computer Software Engineering – Salesian Polytechnic University • 2025

CERTIFICATIONS (CURATED)

- Claude Code in Action – Anthropic, 2026 | The Internet of Agents Hack, NYC – lablab.ai, 2025.
- DeepLearning.AI: Advanced RAG; Agentic RAG with LlamaIndex; Multi-Agent Systems with crewAI; LangChain for LLM Apps; LangChain Chat with Your Data; Fine-Tuning LLMs; Prompt Engineering; Unstructured Data for LLM Apps, 2024–2025
- Cloud / AI Tooling: MongoDB, OpenAI API, Hugging Face, Cloud Computing – Codecademy, 2023–2024.

SOFTWARE ENGINEER | AI / ML ENGINEER | CORE TECHNICAL SKILLS

AI/LLM: RAG, Agentic RAG, AI Agents, MCP, LLM evaluation/guardrails, prompt/context/harness engineering, fine-tuning, embeddings, vector search. **Frameworks/APIs:** OpenAI, Anthropic/Claude, Hugging Face, LangChain, LangGraph, LlamaIndex, CrewAI, PyTorch, scikit-learn. **Backend/Frontend:** Python, FastAPI, Node.js, TypeScript, React, Java/Spring Boot, GraphQL, gRPC, REST, SQL. **Data/Infra:** MongoDB Atlas, PostgreSQL/Supabase, Redis, Kafka, Debezium, Docker, Kubernetes, Terraform, AWS, Kong, Auth0, Git/CI/CD.