FERNANDO RAMOS

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PROFESSIONAL SUMMARY

Software Developer & AI Engineer with experience shipping RAG/search systems, conversational automation (voicebots/WhatsApp), and cloud/DevOps solutions. Co-founder of Agentic Engineering, where I combine AI/ML expertise with DevOps excellence.

I offer Cross-functional leadership experience combined with deep technical execution in AI integration, cloud architecture, and CI/CD automation. Constantly researching **vanguard technologies and solutions** to deliver maximum value through efficient, secure, and high-quality code.

WORK EXPERIENCE

Co-Founder / Tech Lead @ Agentic Engineering
December 2025 - Present | Jalisco, México

- Co-founded AI automation agency delivering production-grade AI integrations across full-stack sites, RAG, chatbots, and workflow automation following Test-Driven Development and Spec-Driven Development frameworks.
- Designed Cloudflare + Convex + Mastra architecture achieving 99.5% cost reduction compared to traditional cloud setups.
- Developing SpecSafe: AI-driven test generation and development framework using TypeScript/Vitest.

Information Security Analyst (Contractor, Part-time) @ Eternal Data
October 2024 - February 2026 | Jalisco, México

- Performed vulnerability research/assessment and mitigations supporting ransomware risk reduction for clients (e.g., Cinepolis).
- Built Python/Shell automations for scanning workflows, data transformation, and report generation.

Technical Project Manager @ Tendencia Systems
May 2025 - December 2025 | Jalisco, México

- Architected RAG-based search system processing 300,000+ vehicle records across 11 different Mexican insurance companies' APIs with heterogeneous schemas.
- Delivered WhatsApp chatbot for St. Austin Medical Center in Querétaro, automating lead qualification + appointment scheduling; routed qualified leads to sales daily.

Software & Automation Developer @ Tendencia Systems
November 2024 - May 2025 | Jalisco, México

- Developed 6 bilingual (EN/ES) voicebots handling 700+ calls/month (~40% of inbound volume) for intake, collections, and reception.
- Reduced operational load and avoided additional reception hiring; enabled attorneys to focus on billable work.
- Tech stack: Twilio, n8n, Typescript, Digital Ocean, Google Cloud, Zoho CRM.

Information Security Intern @ Eternal Data
June 2023 - October 2024 | Jalisco, México

SKILLS

Languages
Python • TypeScript • JavaScript • SQL

Frameworks
React • Node.js

AI/ML
Mastra • RAG • Vector Embeddings • n8n

Cloud
Cloudflare • Digital Ocean • Azure • Vercel • Google Cloud • AWS

DevOps
Docker • Terraform • CI/CD (Github Actions) • Sentry

Databases
PostgreSQL • Supabase • Convex • Microsoft SQL Server

ACADEMIC HISTORY

ITESO | 2022 - 2026
B.S. Computer Systems Engineering

CERTIFICATIONS

- Project Lifecycle, Information Sharing, and Risk Management, *Google*, 2025
- Project Management Foundations, Initiation, and Planning, *Google*, 2025
- Generative AI: Prompt Engineering Basics, *IBM*, 2025
- Play It Safe: Manage Security Risks, *Google*, 2024
- Tools of the Trade: Linux and SQL, *Google*, 2024
- Switching, Routing, and Wireless Essentials, *CCNAv7*, 2023