

Luis Fernando Yupanqui

Senior Software Engineer | AI Products | 5+ Years

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Summary

Software engineer with 5+ years building production systems. Specialize in AI products from embedded to cloud. Built real-time CV systems processing 4B+ images at Deepview. Ship fast, full-stack AI, production mindset.

Experience

Backend Developer → Freelance Consultant | Deepview | Chile (Remote) | Apr 2023 – Nov 2025

AI startup (AWS, Start-Up Chile backed). Built real-time computer vision for retail analytics.

- Architected microservices for real-time image processing and ML inference
- Re-architected with Terraform + Kubernetes: 10x scalability improvement
- Integrated ML models processing 100K+ images daily

Python, FastAPI, Computer Vision, Terraform, Kubernetes, AWS

Full Stack Developer | Roma | Chile | Jul 2021 – Mar 2023

EdTech platform serving schools across Chile.

- Clean Architecture + SOLID: 45% faster development
- Increased platform engagement 29% through UX improvements

Vue.js, Java Spring Boot, PostgreSQL

Full Stack Developer | FITCO | Peru | Feb 2020 – Mar 2021

Management software for fitness businesses.

- Reusable microservices template: 50% faster future development

Node.js, NestJS, Angular, AWS

Projects

Claude Life Assistant — 632+ stars | [GitHub](#) Symbiotic AI agent that remembers, challenges, and extends cognition. *Shell, Claude API*

So Long Sucker — AI Deception Research | [GitHub](#) | [Demo](#) Multi-agent simulation: 146 games, 4 LLMs, 13,759 decisions. Discovered "Complexity Reversal" — deception scales with game length. Apart Research Hackathon. *Node.js, TypeScript, Multi-agent orchestration*

ESP32 AI Voice Assistant | [GitHub](#) | [Video](#) AI assistant on \$10 hardware. Wake-word, voice commands, ChatGPT. *C++, ESP32-S3, OpenAI API*

Canvas Agent | [Demo](#) | [GitHub](#) LLM agent + image/video generation on infinite canvas. *JavaScript, Gemini API, Veo 3*

Skills

Languages: Python, TypeScript, JavaScript, Java, C++ **Backend:** FastAPI, NestJS, Express, Spring Boot, Microservices **AI/ML:** LLMs, Gemini/OpenAI APIs, Computer Vision, ML Inference **Infrastructure:** AWS, Docker, Kubernetes, Terraform, GCP

Education

Machine Learning Specialization — Stanford/Coursera (Andrew Ng) **Nand to Tetris** — Build a Computer from First Principles

Languages: Spanish (Native) | English (Full Professional)