

# Francisco-Revelles—From System Builder to AI Explorer: My Journey in Tech and Why I'm Betting on Machine Learning

By Francisco Revelles

How building resilient systems led me to embrace the future of AI—and why I'm now focused on solving real-world problems with it.

## Introduction

I'm Francisco Revelles, a systems thinker and software engineer with a growing focus on AI and machine learning. For years, I built resilient backend systems, integrated APIs, and maintained production environments under pressure. But as the tech landscape evolved—and as I faced complex challenges in my own life—I began to ask bigger questions: How can technology not just function, but understand? How can it help us document, protect, and empower? This is the beginning of that journey.

## From Microservices to Meaning

My foundation in tech was built around designing clean architectures, building RESTful APIs with Spring Boot, and deploying scalable services in the cloud. I thrived in environments that required precision and structure—where engineering rigor met real-world demands. But over time, I started to feel a pull toward something deeper: creating systems that don't just run, but *learn*.

That curiosity has brought me to AI.

## Why AI Now?

Artificial Intelligence offers something that traditional software engineering doesn't: the ability to perceive patterns and generate responses based on data in ways that mimic—and sometimes exceed

—human intuition. For someone like me, who values documentation, evidence, and truth, this was a powerful realization.

Whether I was working on voice transcription from police interactions, using computer vision to process 4K video footage, or exploring large-scale personal photo backups with `icloudpd`, I saw how AI could be more than a technical tool. It could be a witness. A translator. A second set of eyes when you need them most.

### Current Focus

Right now, I'm focusing on projects that blend my systems engineering background with emerging AI capabilities:

- Using OpenAI's Whisper to transcribe and analyze audio evidence.
- Structuring iCloud Photo backups to support visual evidence archives.
- Experimenting with AI avatars and generative tools for identity and storytelling.
- Documenting human behavior patterns and surveillance dynamics in shared living environments.

Each project connects back to a core goal: making complex information accessible, verifiable, and useful to people who need it.

### What's Next

I'm continuing to study machine learning systems, LLMs, and multimodal AI. I'm especially interested in how these tools can support legal documentation, housing justice, and digital privacy.

In the coming months, I plan to:

- Build lightweight ML-powered tools for individual documentation.
- Develop workflows for offline processing of sensitive data.

- Continue writing to make these topics transparent for others navigating similar challenges.

### Closing Thoughts

We don't always get to choose the systems we have to survive—but we *can* build the ones we want to live in. For me, that means turning technical skill into a force for visibility, fairness, and safety.

If you've searched my name, I hope this article helped you understand who I am—not just as a developer, but as a person committed to using technology for good.

More to come.

— Francisco