

Jhonatan González

AI-first Product Engineer · Next.js · TypeScript · Python

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Live in production: recoversds.com · esvital.group · prisma.cimadium.com · dagotrading.com · carnudos.com

SUMMARY

I build and run production software using AI (Claude Code) as my main tool: I define the product, make the architecture calls, direct the implementation, review and test the result, and operate the infrastructure. I have built software since 2024 and have worked this way daily for the last 9 months (640+ sessions, 30+ projects), shipping systems that process real payments (Bold, Wompi, NowPayments), an AI agent that serves customers over WhatsApp and the web, and an AI video pipeline. My strength is turning a business need into a working system, measuring cost and performance, and learning fast.

EXPERIENCE

Full-Stack Developer · Recover Security Systems, Medellín 2025 – present

- Built and operate the company's e-commerce site (cameras and alarms sold with installation), replacing its WordPress: 15,410-product catalog, a quoting engine (222 quotes in Aug-Sep 2026) and Bold payments through HMAC-signed webhooks.
- Developed NIA, an AI agent that answers customers on the web and WhatsApp and generates quotes. Benchmarked 10 models on the real codebase: the winner gave better answers, 3× faster, at US\$0.002 per reply in the benchmark (the previous model cost US\$0.024 in production).
- Next.js 16 / React 19 / TypeScript monorepo with PostgreSQL + Drizzle (58 migrations); ~6,200 test cases (Vitest, Playwright); 880+ merged PRs as lead developer.
- Infrastructure: Docker + Caddy on Hetzner, Cloudflare, infrastructure as code with OpenTofu, and CI on a self-hosted NixOS runner.

Full-Stack Developer (freelance) · Vital, wellbeing platform Mar 2026 – Oct 2026

- Booking platform for mental-health professionals with mandatory payment through Wompi; first paid appointment in production in September 2026.
- Next.js 16, Better Auth, Drizzle/PostgreSQL, Inngest and Sentry; deployed with Coolify on Hetzner; 268 PRs and ~2,100 test cases.

Backend Developer · O.D.A., market-analysis SaaS on Telegram Apr 2026 – present

- Bot with paid subscriptions by card (Wompi) and crypto (NowPayments), idempotent webhooks and routing across several vision-capable AI models.
- Python 3.12, aiogram, FastAPI and PostgreSQL (async SQLAlchemy); 1,284 pytest tests.

Co-founder & Developer · Cimadium, subscription web studio · freelance clients Aug 2026 – present

- PRISMA: turns one video into an edited episode, short clips, subtitles, thumbnails and a scheduled YouTube upload (ffmpeg, Whisper, LLMs). Multi-tenant web app on Cloudflare Workers with D1 and R2; processes a 134 MB episode in about 2 minutes.
- Sites and stores for clients (Fuente Pura, Neutro) and for Carnudos, a restaurant: online ordering with automatic ticket printing on the point-of-sale printer (ESC/POS).

PERSONAL PROJECT

NEMO, a local-first cognitive assistant: SQLite memory with hybrid search (vectors + FTS5 + RRF). Brought semantic search from 1,378 ms down to 20 ms while keeping 92.7% recall@10. Python, Ollama, whisper.cpp, systemd.

TECHNOLOGIES I HAVE SHIPPED WITH

Languages	TypeScript, Python, JavaScript, SQL, Bash, Nix
Frontend	Next.js (App Router), React 19, Tailwind CSS, Astro
Backend	FastAPI, Hono, aiogram, webhooks, queues and scheduled jobs
Data	PostgreSQL, Drizzle, SQLAlchemy, SQLite, Cloudflare D1, Typesense
Payments	Bold, Wompi, NowPayments
AI	Claude Code, tool-using agents, OpenRouter, Whisper, Ollama, model evaluation by cost and quality
Infrastructure	Hetzner, Docker, Caddy, Cloudflare (Workers, D1, R2), Vercel, OpenTofu, NixOS, CI/CD
Quality	Vitest, Playwright, pytest, pull requests with CI

EDUCATION & LANGUAGES

High school diploma · Self-taught software engineering · Spanish (native) · English (intermediate; fluent technical reading)