

Valentín Pignatelli

AI Product Developer · Full Stack Engineer

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Live product: escriban-ia.com.ar · GitHub: github.com/valentinopign

EU work authorization (Spanish/EU citizenship) — no visa or sponsorship required

PROFESSIONAL PROFILE

Full-stack developer who builds and ships production software end to end — backend architecture, frontend, deployment, and LLM integrations. I specialize in AI-powered products that solve real business problems in vertical markets, and I took a SaaS product from zero to a live, commercially active deployment as sole developer. I also contribute to an EdTech platform used by real students. Technical background in electronics, with ongoing Computer Engineering studies.

TECHNICAL SKILLS

Artificial Intelligence Claude API (Anthropic) · Prompt engineering · Agentic loops with tool calling · Multimodal processing (PDFs, images) · Robust structured outputs (JSON) · Cost optimization & prompt caching

Backend Python · Flask · Gunicorn · PostgreSQL · Supabase · REST APIs · External system integrations · Reverse engineering of internal endpoints · HTTP session & cookie handling · Security & PII handling (at-rest encryption, 2FA, input sanitization)

Frontend Next.js 14 (App Router, Server Components) · React · TypeScript · Tailwind CSS · Framer Motion · Three.js · Lenis (smooth scroll) · Responsive, mobile-first design

DevOps & Infrastructure Fly.io · Docker · Git · Continuous deployment · VM & memory configuration · Image optimization (Pillow) · Domain & DNS management · SSL certificates

Tooling Linear · GitHub · VS Code · Claude Code · Cursor · Postman

Languages Spanish (native) · English (technical reading)

FEATURED PROJECTS

EscribanIA

Founder & Developer — escriban-ia.com.ar

- Vertical SaaS for Argentine notary offices that automates data entry, document auditing, and the generation of notarial drafts using AI.
- Built a Flask backend with an agentic loop on Claude (Anthropic, Haiku) that orchestrates multimodal extraction of national IDs and corporate instruments, automated queries against the Argentine Official Gazette, and Word document generation.
- Reverse-engineered the internal endpoint of the Official Gazette (Second Section) to replace traditional scraping with direct API calls, managing HTTP sessions and cookies.
- Built the institutional frontend with Next.js 14 Server Components, including scroll-driven animations, Three.js integration, mobile performance tuning, and SEO.
- Designed a multi-user architecture with invitation-token authentication, admin dashboard, client CRM, and an AI-assisted onboarding flow for end users.
- Implemented security and PII protections for legal documents: at-rest encryption (Fernet/AES), TOTP-based 2FA, prompt-injection sanitization, and magic-byte file validation, aligned with Argentina's data-protection law (Ley 25.326).
- Defined the business model, pricing, and commercial materials (landing page, pilot terms, interactive demos) tailored to a conservative professional audience.

Stack: Python, Flask, Gunicorn, Claude API (Anthropic), PostgreSQL/Supabase, Next.js 14, TypeScript, Tailwind CSS, Fly.io.

OrbitUP

Full Stack Developer (Web) — live on App Store & Play Store

- Full-stack web developer on a production EdTech platform (web + mobile) that evolved into a Moodle-style learning management system with real students.

- Own the web app end to end: UI/UX design and interface redesigns, performance optimization, and bug-fixing through an agile Linear workflow with code reviews and direct product communication.
- Lead prompt engineering for the platform's integrated AI tutor: it generates study summaries and structured notes, produces educational diagrams to explain concepts, and segments textbooks into guided, AI-led learning paths.

CERTIFICATIONS

- **Anthropic Academy (Skilljar)** — Claude 101, Claude Code 101, AI Fluency: Framework & Foundations, AI Fluency for Builders, AI Fluency for Small Businesses · 2026

EDUCATION

Computer Engineering — Universidad Nacional de La Plata (UNLP) · in progress

Electronics Technician — secondary degree

RECENT ACHIEVEMENTS

- Launched EscribanIA to production with a dedicated domain (escriban-ia.com.ar) and a defined business model; generated inbound interest from 10+ notary offices, with active pilot(s) running in the Argentine notary sector.
- Invited to join the team of an educational product live on the App Store and Play Store after they valued my technical profile.
- Designed and implemented from scratch the complete architecture of an AI SaaS product — backend, frontend, external integrations, and deployment.

WHAT I'M LOOKING FOR

Roles in Full Stack Engineering, AI Engineering, or AI product development — at startups or teams building real products with measurable impact. Open to remote or hybrid work.