

IGNACIO CHIAPPERO

Full Stack / Product Engineer | TypeScript & Next.js · AI Engineering

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SUMMARY

Full stack developer with 4 years of production experience for global brands and government clients, strongest in TypeScript and Next.js and most effective owning a product end to end — architecture, data layer and the interface people actually use. Led a legacy migration carrying 50,000+ users that added Shell as a client, designed the event retry and queueing layer of a municipal services platform, and currently build Go serverless services on GCP for PUMA LATAM. Also ship production LLM systems with real prompt-injection, rate-limiting and cost-control defenses. Remote-first, async in English.

EXPERIENCE

Full Stack Developer | Crombie (software consultancy) | Santa Fe, Argentina (remote) | 2025 – Present

- **PUMA LATAM — Go / GCP (current):** Build serverless Cloud Functions in Golang on GCP for PUMA's Brazil e-commerce operation, migrating the marketplace integration from Pluggto to AnyMarket alongside order reprocessing and client escalations. On my own initiative, built a local emulation environment (Docker + Floci) with a live log dashboard so the team could reproduce GCP behavior locally instead of using the shared dev branch as a test bed. Also drive remediation of vulnerable dependencies beyond the team's formal scope.
- **Santa Fe Municipality — citizen services platform:** Full stack on a microservices platform (React, NestJS, Prisma/PostgreSQL, Redis, AWS) covering appointment scheduling, fine and property-tax payments and training enrollment, integrated with MercadoPago and Plus Pagos. Built the core appointment engine, designed the event retry and queueing system, and extracted mailing into a standalone service.
- **Teams Suite — legacy migration, 50,000+ users:** Rebuilt a legacy Symphony platform as a Next.js + Apollo GraphQL + Prisma/PostgreSQL system on AWS — employee loyalty, quality metrics and training for service-station networks. Migrated 50,000+ user records with no data loss. Chose a monolith over microservices to keep the system maintainable for future teams. Used by Texaco and Puma Energy, with Shell buying the platform after launch.

Freelance Full Stack Developer | Santa Fe, Argentina | 2022 – 2025

- **Milla 360 — last-mile logistics platform:** Technical lead on a three-person team, from brand and architecture through delivery. Real-time quoting, geolocation tracking, WhatsApp and email notifications, prepaid and account billing, and an admin dashboard (Next.js, Prisma/PostgreSQL, Vercel). Engineered for near-zero running cost without losing performance; the client keeps commissioning new work.
- **AI sales & inventory automation — 20+ clients, 2+ years in production:** Telegram bot with voice input that syncs stock and sales into Google Sheets and online stores, running on AWS Lambda and API Gateway with Terraform IaC. Multi-provider LLM layer with a modular agent-skills architecture and response caching to cut redundant inference calls. Built deliberately cheap so small businesses could afford automation.

Technology & Programming Teacher | Inmaculada Concepción School | Santa Fe, Argentina | 2022 – 2025

- Taught electronics, mechanics, robotics, C++ and web development at primary and secondary level.

SELECTED PROJECTS

- **nachochiapperodev.com — 3D portfolio with a hardened AI agent:** Next.js 16, React 19, Three.js / React Three Fiber. 22k+ lines, 23 Vitest suites. Moved chat history server-side into Redis to close an assistant-turn forgery jailbreak; HMAC-signed sessions, three-tier rate limiting (per-IP burst, hourly, global daily budget) to cap inference spend, bot and origin checks, and an allowlisted marker protocol letting the model drive 3D scene navigation without arbitrary redirects. Audited the codebase myself, then shipped the fixes.
- **Escriba — offline judicial hearing transcription:** Python, FastAPI, faster-whisper, FFmpeg, SQLite, PyInstaller. Desktop tool that converts 2-3 hour court hearings into formatted Word documents in ~20 minutes, replacing 3-4 hours of manual transcription per hearing. Fully offline by design because hearing audio is legally privileged. Shipped portable LITE and FULL builds against different Whisper model sizes to run on aging courthouse hardware with no installation.
- **Cookify — hackathon project, honorable mention:** Pantry-tracking recipe generator using TensorFlow image recognition and multi-provider LLM meal planning; functional in under 24 hours.

TECHNICAL SKILLS

Programming: TypeScript, JavaScript, Golang, Python, C++

Frontend: Next.js, React, GraphQL (Apollo), Three.js / React Three Fiber, Tailwind CSS

Backend: NestJS, Node.js, FastAPI, Express, REST APIs, WebSockets, Keycloak

Data: PostgreSQL, Prisma ORM, Redis, Drizzle ORM, MySQL, MongoDB, DynamoDB, SQLite

Cloud & Infra: GCP (Cloud Functions), AWS (Lambda, API Gateway, EC2, S3), Docker, Terraform, Vercel

AI Engineering: LLM application security (prompt injection, rate limiting, cost control), agent architectures, Vercel AI SDK, OpenRouter, faster-whisper, TensorFlow

CERTIFICATIONS & EDUCATION

Graph Developer – Professional (Apollo GraphQL, 2025) · **Graph Developer – Associate** (Apollo GraphQL, 2025) — credentials do not expire, verifiable via the links

Full Stack Developer Program — Crombie Code Academy, Santa Fe (completed)

Teaching Degree in Visual Arts — CREA, La Pampa (completed, 2017–2021)

Additional coursework: Artificial Intelligence Engineering — Universidad Nacional del Litoral (FICH), 2023 · Systems Engineering — Universidad Tecnológica Nacional FRSF, 2022 · **AWS Machine Learning Specialty exam-prep course** — Udemy

Languages: Spanish — Native · English — Professional working proficiency (daily use on global client projects)