

MARCOS RAVIOLO

PRODUCT ENGINEER — AI, AUTOMATION & FULL-STACK SYSTEMS

Bariloche, Argentina (UTC-3) · Remote · marcos@ramiro.studio · marcosraviolo.com · linkedin.com/in/marcosraviolo

I build automation and AI systems that run in production. Since early 2026 I have shipped internal software for businesses in Argentina: multi-branch operations panels, biometric attendance, invoice OCR pipelines and conversational agents on WhatsApp built with the Claude API. I own each one end to end, from the problem to the numbers afterwards. **I design every system I ship.**

SYSTEMS IN PRODUCTION

Multi-branch retail operations panel Next.js · TypeScript · Supabase · PostgreSQL	934 SKUs migrated off an 11-sheet spreadsheet into one product. Stock, internal orders, staff and shelf photos across four stores and a warehouse. Runs on the client's own infrastructure at zero monthly cost.
Invoice pipeline — water utility association Python · Gemini · OCR · WhatsApp Business API	Splits a 431-page monthly PDF into individual invoices and delivers them by email and WhatsApp. 431 invoices per month ; expense entry runs on OCR at about USD 0.0012 per document . A two-day manual process now takes roughly 15 minutes .
Conversational assistant on WhatsApp Claude API · Agent SDK · tool calling · Supabase	Takes voice, text and images. Forecasts production against weather data and answers questions about sales the owner used to read as raw POS PDFs. Live with daily use.
Biometric attendance — 5-store retailer ZKTeco SDK · cloud connector · Next.js	ZKTeco SenseFace hardware wired to a cloud connector and a shift builder handling 16 double-pay holidays . Replaced USB exports and overtime calculated by hand.
Booking, payments and CRM Next.js · Mercado Pago · Google Calendar API	Class scheduling, checkout and client history, with calendar sync. Public at juliaortiz.com.ar

STACK

AI & agents	Claude API, Claude Agent SDK, MCP, agentic workflows, tool calling, RAG and retrieval, prompt and evaluation pipelines. OpenAI (GPT, Codex), Gemini, OpenRouter
Agentic tooling, daily	Claude Code and OpenAI Codex as coding agents, MCP servers, custom skills and hooks
Code	TypeScript, Next.js (App Router), React, Python, Node.js, Tailwind CSS
Data & infrastructure	PostgreSQL, Supabase (Auth, Row Level Security, Realtime), Vercel, GitHub Actions, Playwright, Vitest, Git
Integrations	WhatsApp Business API, Telegram Bot API, Mercado Pago, Stripe, Google Calendar API, ZKTeco SDK, OCR

EXPERIENCE

MAR 2026 — PRESENT BARILOCHE, AR	Product Engineer · Co-founder — RAMIRO Sistemas Optimizados I design and ship the systems above and run the client-facing side of the company: scoping, releases and the day-to-day relationship. Six systems in production across retail, utilities, food production and services.
2018 — PRESENT BARILOCHE, AR	Owner · Music Producer — Estudio Velador Recording, mixing and mastering studio I opened and have run for eight years. 300+ tracks mixed and mastered, my own client base, quoting and delivery.
2022 — 2025 ARGENTINA	Lecturer, Sound and Composition — UNSAM · UNRN · Centro Cultural Recoleta Undergraduate and workshop teaching in sound, composition and audio production. UNRN 2022, UNSAM 2023-2025, Centro Cultural Recoleta (Buenos Aires) 2024.

EDUCATION & LANGUAGES

Universidad Nacional de Quilmes	BA in Composition with Electroacoustic Media — 2019 (completed) · MA in Sound Art — in progress
Universidad Tecnológica Nacional	Diploma in Artificial Intelligence, UTN Buenos Aires — enrolled, Sep 2026 – Mar 2027
Languages	Spanish (native) · English (professional working, written) · async-first written collaboration