

Horacio Parisotto

Senior Full-Stack & AI Engineer | Founder @ OurBlock.io | 6+ years shipping production software, now focused on AI

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Experience

Tur.com

Apr 2025 – Present

Senior Full-Stack Engineer (Contract) – Client: Copec, #1 Energy Company in Chile

- Built the marketing backoffice from the ground up in Go: a self-service CMS powering **42 live landing pages across 10 countries** with zero engineering time per campaign launch, shipped through 17 versioned migrations, all backward-compatible.
- Designed hybrid semantic search (vector + keyword on Elasticsearch, OpenAI embeddings, Redis cache): **nDCG@5 from 0.41 to 0.75** and **empty searches from 31 to 0** in offline evaluation, with **~35 ms** cached responses.
- Merged **71 PRs across 4 repositories**, led a performance investigation that raised Lighthouse from **43 to 61 on mobile and 74 to 91 on desktop**, and built a PR review checklist from auditing **40+ pull requests**.
- **Stack:** Go, TypeScript, Next.js, PostgreSQL, MongoDB, Elasticsearch, Redis, AWS, OpenAI Embeddings.

Confidential SaaS Client (US)

Sep 2024 – Mar 2025

Senior Full-Stack Engineer (Contract)

- Designed with the CTO and built an autonomous AI remediation agent that turns a reported incident into finished, assigned follow-up work **the same day**, acting only through **4 narrow MCP tools** with **zero standing credentials** and no direct database access.
- Architected two-phase execution (judge, then deploy) with **3 tenant-configurable autonomy modes** and idempotency guarantees, consolidating **3 intake paths into 1**.
- **Stack:** AI Agents, MCP, LLMs, TypeScript, Async Processing, Multi-Tenant Data Modeling.

OurBlock.io

Sep 2023 – Aug 2024

Founder & Engineer – AI Security Platform, Argentina

- Founded and built end-to-end an AI camera-security platform, **live in production**: hybrid AI vision (Claude Haiku 4.5 + Gemini Flash-Lite) filters false positives, with multi-provider routing cutting **AI cost per frame by 94%**.
- Built RAG search (OpenAI embeddings + sqlite-vec), a tool-calling Claude agent for natural-language investigations, and an FFmpeg RTSP-to-HLS video pipeline, all on a single mini PC with no database server and **94 tests** passing.
- **Stack:** Node.js, React, TypeScript, Claude, Gemini, OpenAI, sqlite-vec, FFmpeg, Twilio, ElevenLabs.

Lit (Forbes-featured startup)

Apr 2023 – Mar 2024

Lead Engineer (Contract) – Curated Influencer Marketplace, Argentina

- Took an unfinished draft from an outside team and built the React Native app end to end through its **launch on Google Play and the App Store**: event offers, real-time chat, QR check-in at venues, content review, ratings and Mercado Pago plans.
- Built the Next.js admin panel the team used to curate creators and brands, and the marketing website.
- **Stack:** React Native, TypeScript, Firebase, Next.js, Mercado Pago, Resend.

HarrisTime.ca

Oct 2020 – Mar 2023

Full-Stack Engineer (Contract) – Arena Scheduling & Digital Signage, Canada

- Rescued the client's legacy system: traced a runaway Firebase bill and cut it from **\$2,353 to \$6.49/month (-99.7%, ~\$28k/year)**, earning a full rebuild.
- Rebuilt it as a multi-venue platform driving live signage on **30+ screens across 17 facilities for 10 client organizations**, including municipalities, scheduling **37,000+ events** for 600+ teams, migrated with zero downtime.
- Built 7 Python Cloud Functions, including an hourly league scraper and a Gemini scheduling assistant with structured output; **175 tests** gate CI, with a **0.014% server-error rate** in production.
- **Stack:** React, TypeScript, Python, Firebase, Cloud Functions, Cloud Run, Docker, Gemini, ESP32.

Technical Skills

AI & LLM: Claude, Claude Code, Gemini, OpenAI, AI Agents, MCP, RAG, Tool Use, Structured Output, Vector Search, Embeddings, Hybrid Search, LLM Evaluation (nDCG).

Languages & Frameworks: TypeScript, JavaScript, Go, Python, C++ (ESP32), Node.js, Express, FastAPI, React, Next.js, React Native, Tailwind, GraphQL.

Data & Cloud: PostgreSQL, MongoDB, Elasticsearch, Redis, Firebase, sqlite-vec, AWS, Google Cloud Run, Docker, GitHub Actions, Vercel, Sentry.