Horacio Parisotto

Lead Engineer, Search & Discovery @ Tur.com | Senior Full-Stack & AI Engineer | 6+ years in production

parisottohoracio@gmail.com | horacioparisotto.com | /in/horacioparisotto | /horacioparisotto

Experience

Tur.com Apr 2025 – Present

Lead Engineer, Search & Discovery (Contract) – Travel Marketplace, 900K Monthly Users

- Own Search & Discovery end to end (technical direction, roadmap priorities, execution) with Product, Design and Data. Designed the **hybrid search** (keyword + vector on Elasticsearch, OpenAI embeddings), live on web, iOS and Android: over 28 days **+26% clicks per search**, **no-result searches 15% to 2.9%**, first result relevant **72% to 86%**.
- Built the marketing backoffice in Go: a self-service CMS for **45 live landing pages across 10 countries** with zero engineering time per campaign, plus **installment tiers in 10 currencies**; **90+ PRs across 6 repositories**, all backward-compatible.
- Led a performance investigation that raised Lighthouse from **43 to 61 on mobile and 74 to 91 on desktop**.
- **Stack:** Go, TypeScript, Next.js, PostgreSQL, MongoDB, Elasticsearch, Redis, AWS, OpenAI Embeddings.

StackFactor (US) Sep 2024 – Mar 2025

Senior Full-Stack Engineer (Contract) – SDLC Compliance Platform

- Designed with the CTO and built an AI remediation agent that turns a blocked release into an assigned training plan **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 levels** 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, **now in a live pilot**: 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

- Led product and **3 developers**, reporting to the CEO. 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, 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 $28K to $78 a year (-99.7%)**, 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 a Gemini scheduling assistant and an hourly league scraper; **175 tests** gate CI, deployed on Cloud Run with **Terraform**, with a **0.014% server-error rate** in production.
- **Stack:** React, TypeScript, Python, Firebase, Cloud Run, Terraform, 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.