

Germán Tarnoski – Information Systems Engineer

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WORK EXPERIENCE

MMS Logística

August 2025 – April 2026

Freelance Full Stack Developer

Buenos Aires, Arg.

- Designed and developed a logistics management platform to digitize shipment tracking workflows for a distribution company, replacing manual spreadsheet processes with a centralized system built with **React/TypeScript/Vite**, Tailwind CSS, shadcn/ui, Zustand and a **Supabase** backend (PostgreSQL). Handles ~400 shipments per week across 11 drivers.
- Implemented real-time multi-user shipment tracking with full lifecycle management, a client file import pipeline where incoming shipment records land in a staging table for operator review and batch approval before entering the live system, per-shipment audit trails, role-based access separating operator and client views, and schema-based form validation with Zod and React Hook Form.
- Built backend automation via Postgres triggers and Edge Functions: shipment status changes trigger automatic pushes to the client's SAP endpoint (with OAuth2 token caching), PL/pgSQL functions handle atomic batch approval and duplicate detection, and delivery email notifications fire via Resend. Also built a JWT-authenticated endpoint for programmatic proof-of-delivery PDF retrieval by external systems.
- Established a complete development workflow including Playwright end-to-end testing and branching strategy for dev/test/production environments.

AlSur

May 2024 – August 2025

Co-founder and Lead Full Stack Engineer

Buenos Aires, Arg.

Co-founded a startup and led the full technical development of its multi-tenant SaaS platform for travel agencies in Patagonia, Argentina, replacing fragmented spreadsheets with a centralized booking system built with React/JavaScript, Supabase/PostgreSQL and Express/Node.js.

- Led a 3-person team: mentored a junior developer on React patterns and database design, and guided the non-technical co-founder through manual QA, bug triage, and Cursor-assisted prototyping, while translating business requirements into technical specifications, reviewing code and owning Git workflows.
- Built a multi-step reservation workflow with comprehensive form validation and dynamic service selection, integrating resource allocation and calendar management for vehicles, guides, and equipment to streamline the entire booking process from quote through confirmation, with Mercado Pago payment integration via webhook.
- Designed and implemented a multi-strategy pricing engine with multi-currency support and exchange rate management, allowing agencies to handle complex seasonal pricing and international client quotes.
- Established development practices including Row-Level Security for multi-tenant data isolation, schema-based form validation with Zod and Playwright end-to-end testing.
- Platform development completed and production-ready. Graduated with it as my final engineering project at Universidad del CEMA.

Invisible Technologies Inc.

June 2023 – Present

Expert AI Data Trainer (Contractor)

Remote

- Trained and evaluated frontier AI models through SFT, RLHF, and RAG workflows across multiple domains (English, Spanish, Math, Programming). Consistently ranked among top agents in pools of up to 500; hand-picked alongside 4–5 others for client-requested pilot batches and new capability launches.
- Highlighted as one of the most valued QA reviewers in a specialized mathematics project. Consulted by project leadership on workflow optimization and quality assurance process improvements.
- Selected to mentor incoming agents across multiple initiatives.

Coordline S.R.L.

March 2023 – October 2023

Data Analyst

Buenos Aires, Arg.

- Automated complex client-data normalization, transformation and enrichment processes using Python and Pandas, reducing 4-5-hour processes to just a few minutes.

Decormec S.A.

October 2022 – May 2023 (intermittent)

Freelance Data Analysis and Automation Support

Buenos Aires, Arg.

- Built automation and web-scraping tools (Python, Selenium, Django) for internal data processing. Guided a non-technical team member through the development of a customer order costing web application in Django, establishing the architecture and reviewing the code.

SOFTWARE, CERTIFICATIONS & SKILLS

- **Frontend & UI:** React, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, shadcn/ui, Vite, Zustand, Zod, React Hook Form.
- **Backend & APIs:** Express, Python (Django, Pandas), SQL, REST APIs, OAuth2, LLM APIs (OpenAI, Anthropic).
- **Testing & Automation:** Playwright, Selenium.
- **Database & Infrastructure:** Supabase (PostgreSQL, Realtime, Edge Functions, RLS), PL/pgSQL, pgvector, Git, Render, Vercel.
- **Certifications:** UTN Advanced level in: Word, Photoshop, Arduino and Access. UTN Expert level in Excel.
- **AI Development:** Claude Code, Cursor, agentic tooling & custom skills, RAG workflows, LLM integration, prompt engineering.
- **Languages:** Spanish (Native), English (C2 – Cambridge Certificate of Proficiency, Bilingual), German (Goethe-Zertifikat B1, Intermediate).

EDUCATION

University of CEMA

March 2020 – February 2025

Information Systems Engineering Degree

Buenos Aires, Arg.

University of Toronto Scarborough

December 2023 – May 2024

Exchange Program in Computer Science

Toronto, Canada

- Completed coursework in Software Engineering, Machine Learning & Data Science, and Analytics for Decision Making.
- Collaborated on PaRx, a Canadian healthcare platform, building a Saskatchewan provincial scraper for doctor credential verification and an interactive green spaces map in React + Leaflet.js with geolocation, search controls, and Wikipedia-sourced location details.
- Gained experience working in a multicultural team under agile methodologies, strengthening skills in teamwork and cross-cultural communication.

PROJECTS

- **AI Voice Support Agent for a Canadian Youth Sports Platform:** Built an AI-powered inbound phone support system in TypeScript/Node.js for a Canadian sports organization that answers parent calls and responds to program, schedule, and FAQ questions. Integrated Telnyx for call control and bidirectional WebSocket audio streaming, Deepgram Nova-3 for real-time Speech-to-text with barge-in detection, Claude (Anthropic) with model routing (Haiku for greetings and small talk, Opus for reasoning and program queries) and ElevenLabs for Text-to-speech. Recognized returning callers via PostgreSQL lookups and grounded FAQ responses in a pgvector semantic search index with in-process Transformers embeddings.

- **HackITBA 2023 – GENMail (Finalist):** Led a 3-person team to build a Gmail-integrated digest app in 36 hours. Fetched and parsed emails via the Gmail API (OAuth 2.0), processed MIME bodies, and passed cleaned content through GPT-3.5 via the OpenAI API using structured prompts to generate first-person summaries. Users configured keyword priority and exclusion filters to control digest ranking before any content reached the model. Hosted by ITBA, the most prestigious engineering university in Argentina.
- **BotChallenge 2020 – 1st Place:** Developed autonomous combat bots in Java for a competitive robotics simulation held by the Buenos Aires Institute of Technology.
- **Personal tools:** a fitness tracker with shared workout routines and progression charts (React/TypeScript/Supabase), a WhatsApp grocery bot that scrapes the supermarket's online store via browser automation for cart management and fuzzy product matching (TypeScript/Baileys/Playwright/Fuse.js), and a nutrition analyzer for Cronometer CSV exports (React/TypeScript).