

EMANUEL CABRAL

FULL STACK DEVELOPER

Buenos Aires, Argentina | +54 9 11 5749-9156 | eduardoemanuelcf@gmail.com
linkedin.com/in/eduardoemanuelcf | github.com/eduardoemanuelcf | emanuelcabral.dev

PROFILE

I have experience developing and maintaining production web applications. I'm interested in building clear, maintainable solutions, collaborating with a team, and contributing to projects where the focus is both on technical quality and solving real product problems.

PROFESSIONAL EXPERIENCE

Full Stack Developer · ForIT Software Factory · Wholesale e-commerce Jan. 2026 - Present

- **Query Optimization & Performance:** Eliminated N+1 queries in the warehouse panel, replacing 50,000+ sequential database calls with 4 parallel bulk queries grouped in memory.
- **Data Integrity & Migrations:** Built automated migration scripts to transition 2,000+ products and live inventory from legacy WordPress XML (WXR format) into MySQL, parsing undocumented WXR schemas. Completed in 30 hours, 3× faster than manual estimation.
- **Transactional Logic & Order Persistence:** Implemented a transaction runner pattern for atomic category and product updates, plus a snapshot mechanism preserving variant names and SKUs in historical order items.
- **Testing & Quality (TDD):** Wrote 52 test suites with 445+ test cases using Vitest across the domain, API, and frontend packages of the monorepo, building custom render utilities, API mocks, and deterministic unit tests.
- **AI-Augmented Development:** Integrated Claude Code and Antigravity CLI into daily workflows for code reviews, PR drafts, commit standardization, and early detection of failing tests and broken builds.

Technologies: React 18, Vite, Node.js, Express, MySQL, Yarn Workspaces (Monorepo), Vitest

EDUCATION

B.S. in Computer Science · University of Buenos Aires (UBA) Mar. 2022 - In progress

Full Stack Development Course · IntegrarTEC Mar. 2025 - Nov. 2025

FEATURED PROJECTS

TickPanic · Full Stack Developer · tick-panic.vercel.app

- Kept core domain logic fully decoupled from network I/O and database persistence using Clean Architecture, so the real-time multiplayer game stays easy to scale and maintain.
- Developed low-latency state synchronization using Socket.io and WebSockets.
- Validated all critical game loops with 280+ automated tests via TDD.

Technologies: TypeScript, Fastify, Socket.io, React, Prisma ORM

Job Log · Developer · github.com/eduardoemanuelcf/job-log

- Built an open-source Chrome extension that automates job application tracking by extracting offer data from LinkedIn's internal API and using the Gemini API to parse unstructured job postings from other portals, logging everything directly into Google Sheets.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python

Frontend Development: HTML5, CSS3, React, Next.js, Astro, Tailwind CSS, Material UI

Backend Development: Node.js, Express, NestJS, WebSockets, JWT, REST APIs

Databases & ORMs: PostgreSQL, MySQL, SQLite, Prisma ORM

AI-Assisted Development: Claude Code, Antigravity CLI, Gemini API (code review, test generation, architecture auditing)

Tools & DevOps: Vitest, Git, GitHub, Docker, CI/CD (GitHub Actions), Bash

Methodologies: Scrum, Agile Methodologies, Code Review, Git Flow

LANGUAGES

English: B2 First Certificate (Cambridge)