

Hernán Arteaga

hernanart23@gmail.com | +57 304 6583581 | Montería, Colombia

hrnntz.me | linkedin.com/in/hrnntz | github.com/hrnntz

Professional Summary

Systems Engineering student (2nd semester) and full-stack developer who builds, tests, and deploys functional TypeScript/React and Node.js applications. Experience collaborating on team projects, integrating AI APIs (Groq, OpenRouter), WebSockets, and relational databases, with automated CI/CD workflows and published open-source npm packages. Pragmatic builder with English C1 proficiency, seeking junior developer or internship opportunities.

Technical Skills

Languages: TypeScript, JavaScript, SQL, HTML5, CSS3

Frontend: React 19, React Native (Expo SDK 54), Next.js, Vite, Tailwind CSS, Zustand, PWA

Backend: Node.js, Express 5, PostgreSQL, TypeORM, Supabase, WebSockets (Socket.io), REST APIs

DevOps & Tools: Git, Docker, Docker Compose, GitHub Actions (CI/CD), Unit Testing, Linux, npm Publishing

AI & Tooling: Groq (Whisper STT), ElevenLabs, OpenRouter, Google Gemini API, Model Context Protocol (MCP)

Projects

PandaAI — AI-Powered Smart Toy Platform

[GitHub](#) | 2026

TypeScript | Express 5 | TypeORM | PostgreSQL | React Native | WebSockets | Docker Compose

- Collaborated in a university innovation team to build a full-stack platform with an Express 5 REST API, TypeORM migrations, PostgreSQL, JWT authentication, and Zod schema validation.
- Implemented real-time audio and video communication between hardware and mobile app using Socket.io WebSockets, Groq Whisper STT, and ElevenLabs TTS.
- Developed a cross-platform mobile client with React Native (Expo) and Zustand for state management, containerizing backend services with Docker Compose.

Antigravity CLI Tooling — Open-Source Developer Tools

[npm](#) | [GitHub](#) | 2026

Node.js | npm Registry | GitHub Actions CI/CD | Google OSV API | Inquirer | Commander

- Built and published two interactive CLI package managers to npm and GitHub Packages: **antigravity-mcp-installer** and **antigravity-skills-installer**.
- Integrated real-time CVE security audits querying Google OSV database ([api.osv.dev](#)) and automatic environment variable detection for API keys.
- Wrote automated unit test suites using Node.js native test runner (**node:test**), configured across a multi-platform GitHub Actions CI matrix (Linux/Windows).

StreamHub — Live Sports Aggregator & PWA

[Case Study](#) | 2026

React 19 | Vite | Supabase | Vercel Serverless | Tailwind CSS | OpenRouter LLM

- Developed a progressive web app aggregating live sports streams and statistics from third-party APIs, deployed on Vercel's Edge network.
- Built a fuzzy matching algorithm to link disparate sports video streams with stats providers sharing no common IDs across 50+ daily events.
- Integrated multi-model LLM chat via OpenRouter with response caching, plus latency-calibrated push notifications using Supabase Cron Jobs.

Education

Universidad de Córdoba

B.S. in Systems Engineering (In Progress — 2nd Semester)

Montería, Colombia

Jan 2026 – Expected 2031

Certifications & Achievements

- Advanced Rounds Qualifier** — UTB Mathematics Olympiad (Oct 2025)
- Computer Hardware Basics** — Cisco Networking Academy (Apr 2026)

Languages

Spanish (Native) | English (C1 — Full Professional Proficiency)