JAIRO ESTEBAN HERRERA RENTERÍA

BACKEND / FULL STACK DEVELOPER

Medellín, Colombia
jairoehr@gmail.com · +57 304 272 9943
linkedin.com/in/codejairo
github.com/CodeJairo · codejairo.me

PROFILE

Final-year Software Engineering student and intern at D.Skey Technological Solutions. I build end-to-end web applications with NestJS, Angular and PostgreSQL, with a focus on security: multi-tenancy, RBAC, audit logging and OWASP. I built a SaaS now used by 4 companies.

EXPERIENCE

Software Engineering Intern · D.Skey Technological Solutions, Medellín — Nov 2026 – Present

- Design and build a tool that **extracts requirements from public tender documents using AI model APIs**, along with dashboards and data pipelines over historical tender data.
- Support **infrastructure and cybersecurity** proposals (Fortinet, Kaspersky, ESET) and internal security policies: access control and auditing.

Stack: Python · FastAPI · AI APIs · Angular · AWS S3 · Docker

Founder & Developer · Aurum Dash (SaaS) — Oct 2026 – Present

- Designed and built a **subscription SaaS now used by 4 companies** in the gold trade: purchases from artisanal miners, batches, sales, receivables and monthly partner settlements.
- **Multi-company** architecture with subscription management, **5-role RBAC** and refresh tokens.
- Integrated the **Siigo accounting API** to sync receipts and customers; Excel settlement exports.

Stack: NestJS · Angular · PostgreSQL · Prisma · AWS S3/MinIO · ExcelJS · Siigo API · Docker

Full Stack Developer (Freelance) · Higinex S.A.S., Quibdó — Dec 2025 – Feb 2026

- Built end to end a platform that replaced sales over chat and spreadsheets: catalog with **per-client negotiated pricing**, ordering and a logistics dashboard.
- REST API in NestJS with **DDD**, **OWASP**-aligned security and **atomic inventory validation**.

Stack: NestJS · Angular · PostgreSQL · Prisma · Docker · SendGrid · In production: higinex.netlify.app

PROJECTS

ESP Contrata · Own product · public contracting SaaS — May 2025 – Present · In development, launching 2027

- Designed a **multi-tenant architecture on PostgreSQL** that isolates each utility company's data within a single shared infrastructure.
- Implemented **JWT authentication with RBAC** and role-based permissions, plus an **audit log** of critical operations.

Stack: NestJS · Angular · PostgreSQL · Prisma · Docker · AWS S3 · OpenAI/Groq API

Guardrail API · Open-source API security auditing CLI — Oct 2026 – Present · npmjs.com/package/guardrail-api

- **15 rules** (7 static checks on OpenAPI 2.0/3.x contracts and 8 non-destructive dynamic probes, including BOLA) mapped to the **OWASP API Security Top 10 (2023)**.
- SARIF, JSON and HTML reports; baselines so CI fails only on new findings; GitHub Action.

Stack: TypeScript · Node.js · OpenAPI · Vitest

SKILLS

Backend: Node.js, NestJS, Express, Python, FastAPI, REST, Prisma
Data & AI: PostgreSQL, Redis, OpenAI/Groq APIs
Frontend: Angular, React, TypeScript, Tailwind CSS, TanStack Query, Astro
Testing & DevOps: pytest (TDD), Vitest, Docker, GitHub Actions, Linux, AWS S3/MinIO
Architecture & security: DDD, multi-tenancy, JWT, RBAC, audit logging, OWASP

EDUCATION & LANGUAGES

B.Eng. in Software Engineering · I.U. Pascual Bravo, Medellín · 2021 – 2027 (expected)
Languages: Spanish (native) · English: B2 (upper intermediate)