Juan Camilo Zúñiga

Backend & Data Developer

janzsh.com linkedin.com/in/juanzuniga79 github.com/janzsh Santa Marta, Colombia

I design, optimize and run production services, APIs and data processes. I work with the team to find the bottleneck, measure it and fix it with the simplest solution that works.

EXPERIENCE

Full-stack Developer · efRouting Tech S.A.S

Feb 2026 – Present · 9 mos

Barranquilla, Colombia · Remote

Backend and data work with data-science and backend teams: extraction and ingestion pipelines, ETL and the Linux and AWS infrastructure that runs them.

- Migrated an ingestion pipeline for external data sources from Python to Go and scaled it to four Docker containers: from about 8k clean records in 2 hours on one instance to nearly 200k in 6 hours.
- Optimized an internal ETL that took 2 to 4 hours and peaked above 60 GB of RAM, crashing its ECS Fargate task: it now finishes in at most 1 hour, peaks at 36–40 GB according to the logs, and the out-of-memory failure has not happened again.
- Build and operate Python and TypeScript services backed by SQL, on Linux servers and AWS.

Skills: Python, FastAPI, TypeScript, NestJS, Go, SQL, DynamoDB, Docker, Linux, AWS, Lambda, S3, ECS Fargate, MySQL, Redis

Full-stack Developer · Freelance

Apr 2025 – Present · 1 yr 7 mos

Santa Marta, Colombia · Remote

End-to-end delivery of cross-platform products, integrating complex backend logic with polished user-facing apps.

- Mobile athletic training and blog application.
- Industrial recycling scheduling and management platform.
- Enterprise web performance optimization and redesign.
- Hotel reservation MVP and inventory-distribution logistics MVP.

Skills: NestJS, Spring Boot, ASP.NET Core, React, Next.js, Angular, Redux, Astro, React Native, Expo

Semi-Senior Full-stack Developer · IGD S.A.S

Jan 2021 – Feb 2025 · 4 yrs 1 mo

Barranquilla, Colombia · Remote

Led the development and migration of financial and accounting SaaS platforms: NestJS, Spring Boot and ASP.NET Core backends, SQL and NoSQL data models, and the web apps built on them.

- Cut response times of paginated API endpoints with a combined strategy of indexes and query optimization.
- Migrated legacy Visual FoxPro systems to web applications built with React.
- Reworked the architecture and the communication between components to reduce coupling: fewer bugs when adding features, so the team spent more time on new features than on fixes.
- Defined templates, conventions and architecture guidelines for consistency across platforms.
- Designed SQL and NoSQL data models and workflows.
- Acted as technical lead on team initiatives, with developers reporting to me.

Skills: NestJS, Spring Boot, ASP.NET Core, MySQL, Redis, Docker, React, Next.js, Angular, Astro, Tailwind

SELECTED PROJECTS

Auth Core

2026

Shared authentication core for my own suite of SaaS products: multi-tenant users, organizations, permissions and subscriptions. In development.

efRouting technical test

2026

SpaceX launch visualizer built with Go and Next.js, hexagonal architecture and 100% infrastructure as code.

https://github.com/cd-janz/efRouting_test

janzsh.com

2026

This portfolio: a bilingual static site with Astro and Preact islands, Zod-validated content and automated test, accessibility and performance checks on every pull request.

https://github.com/janzsh/portfolio

Neovim dotfiles

2025

A lean, Lua-based Neovim setup built to free RAM for the services I actually run, without giving up a complete development workflow.

EDUCATION

Systems Engineering · Universidad del Magdalena

Aug 2019 – In progress (resumed after a pause)

Training focused on the intersection of system logic and enterprise architecture: clean code, microservices and systems integration. I study alongside my work as a developer since 2021, with a pause along the way.

SKILLS

Backend: TypeScript, NestJS, Java, Spring Boot, Kotlin, Python, FastAPI, Go, Gin, Chi, Cobra, ASP.NET Core

Data: SQL, PostgreSQL, MySQL, MongoDB, Redis / Valkey, DynamoDB

Cloud: AWS, Lambda, S3, AWS CDK, ECS Fargate, Docker, Linux, Kubernetes (learning)

Also worked with: React, Next.js, Angular, Astro, Lua

Spanish: Native · English: B1 (reading, writing and simple conversations)