

DENNIS FIALLO MUÑOZ

Full Stack Engineer

📍 Havana, Cuba ✉️ dfiallo35@gmail.com [in LinkedIn](#) [GitHub](#) [Portfolio](#)

Summary

Full Stack Engineer with 4+ years building web applications end to end — from the interfaces people use to the systems and infrastructure behind them. I design scalable backend services with FastAPI and clean, layered architectures, and ship them on AWS with Terraform. Six platforms in production across healthcare, supply chain and recruitment. Available for freelance projects.

Experience

Avangenio

September 2023 – Present

Backend Developer

Havana, Cuba

- Built REST and WebSocket APIs with FastAPI on a layered microservices architecture for Alivi, a US healthcare benefits provider, and kept them highly available on AWS with Terraform-managed infrastructure.
- Alivi Ride — backend for a non-emergency medical transportation platform handling ride scheduling, driver assignment, and patient coordination. Hardened its AWS infrastructure in Terraform with KMS-encrypted logs, X-Ray tracing, and API Gateway authorization fixes.
- **Alivi PDMS** and **Flexcard/CRM** — provider credentialing and lead tracking for onboarding and compliance; for the Flexcard benefits card, built fund transactions (create, list, CSV export) through the FIS card-processing API and role-based admin permissions.
- **Havana Club S&OP** — Sales & Operations Planning platform centralizing demand forecasting and distribution by channel and territory; built GraphQL report APIs (flash sales, forecast accuracy, distribution) with CSV and PDF exports.
- **UK recruitment SaaS** — applicant tracking system in TypeScript and NestJS: built offer, reminder and email-delivery features, and ran reviewed repairs of migrated production data.
- Developed Frappe/ERPNext systems for organizations of national significance, including INOR.

Freelance

July 2022 – Present

Full Stack Developer

Havana, Cuba

- **RealRental** — rental-agency platform for daily and long-term rentals: bookings, recorded payments, and owner settlements, with a bilingual public site and a role-based back office. FastAPI, PostgreSQL, and Next.js on Vercel and Neon, with CI-gated migrations and a rehearsed import of the agency's existing listings; now launching.
- Property-management system for a private client — contracts, invoicing, expenses, and finance reporting with automated daily invoice status updates. FastAPI/PostgreSQL API and React dashboard on Vercel.

University of Havana

January 2023 – February 2024

AI Researcher

Havana, Cuba

- Member of the “Dynamic Systems Analysis” research group, developing machine learning models for time series forecasting in chaotic systems as part of my thesis work.
- Built and evaluated Echo State Networks in Python with TensorFlow and Keras, benchmarking forecast accuracy on the Lorenz, Mackey-Glass and Kuramoto-Sivashinsky systems.

Education

University of Havana (MATCOM)

September 2019 – January 2024

B.Sc. in Computer Science

Havana, Cuba

Projects

TruckBuild | *Next.js, TypeScript, FastAPI, PostgreSQL, Vercel* | [Code](#) · [API](#)

- Marketing site and build configurator for a truck upfitting company: visitors configure a build through option groups, watch the price update live, and submit it as a qualified lead. FastAPI/PostgreSQL service owns the catalog and pricing.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, HTML/CSS

Backend: FastAPI, NestJS, GraphQL, REST & WebSocket APIs, Frappe/ERPNext

Data: PostgreSQL, SQLAlchemy, Alembic, Drizzle

Frontend: Next.js, React, TailwindCSS

Cloud: AWS (Lambda, API Gateway, Cognito, SES, KMS), Terraform, Docker, Vercel

CI/CD & Testing: GitHub Actions, GitLab CI, Bitbucket Pipelines, pytest, Playwright

Spoken: Spanish (native), English, French