

NICOLÁS PATRICIO MORENO ÁVILA

Founding Engineer · Full-Stack, AI/ML & Data Science · Cofounder

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■ SUMMARY

Self-taught founding engineer with a physics-engineering background (3 yrs). Built **FIDELYA**, a multi-tenant SaaS customer-intelligence platform (**60+ modules, 8+ business tenants, 3,000+ users**), solo from zero and now lead its team of 6; Tech Lead at **GoAuto** (**51 dealerships**). Core: full-stack (TypeScript, NestJS, Next.js), applied ML, and data science.

■ EXPERIENCE

Tech Lead & Full-Stack Engineer, **GoAuto (Dropout Capital)**

Oct 2025 – Present · Remote · LATAM + US team

- **51 auto dealerships across Chile** run on GoAuto, an AI-powered dealership-management platform; I own architecture and full-stack delivery.
- Lead a **5+ engineer team** across LATAM and the US, setting architecture and product direction.

CEO & CTO, Cofounder, **FIDELYA**

Jan 2025 – Present · Santiago, Chile

- **60+ production modules** on a multi-tenant SaaS platform (NestJS, per-tenant MongoDB, Next.js, real-time WebSockets); live with **8+ business tenants** and **3,000+ registered users**.
- Built the platform solo from zero (backend, frontend, infrastructure); now lead a **team of 6**.
- Built **AURA**, FIDELYA's AI engine for churn prediction and automated retention from real consumer behavior, powered by graph/tensor models and Graph Neural Networks (GNNs) from the in-house research lab (formerly Entropía Technologies).

Full-Stack & Machine Learning Developer, **Scale AI (Chile)**

Mar 2024 – Sep 2024 · Remote · Robotics, AI & simulation firm (scaleai.cl, formerly VascoLab)

- Built a **Convolutional Neural Network (CNN) anomaly-detection system for SAESA** (Chilean energy utility) to flag faults across electrical power-transmission lines; also shipped full-stack production features.

UX/UI Designer, **Independent**

2020 – 2022 · Chile

- Designed and shipped client product interfaces in Figma.

■ TECHNICAL SKILLS

LANGUAGES TypeScript, JavaScript, Python

FRONTEND Next.js, React, Tailwind CSS, Zustand

BACKEND NestJS, Node.js, REST APIs, WebSockets

ARCHITECTURE Multi-tenant SaaS, per-tenant data isolation

DATA & DATABASES MongoDB, SQL, graph databases, data modeling

ML & DATA SCIENCE ML, CNNs, computer vision, anomaly detection, GNNs, churn/retention models, LLMs, statistical & mathematical modeling

INFRASTRUCTURE AWS, Fly.io, Vercel, Railway, CI/CD

DESIGN Figma, UX/UI, design systems

■ EDUCATION

Physics Engineering (incomplete, 3 yrs) — Universidad Andrés Bello, Santiago

2019 – 2022 · Foundations in data science and mathematical/statistical modeling.

Technical High School — Telecommunications

2014 – 2017 · Programming, networking, cybersecurity, fiber optics, electronics.

■ LANGUAGES

Spanish — Native · English — Professional working proficiency

Founder Institute Chile 2026 — selected.