

Edgar Ignacio Figueroa

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About Me

Fullstack Developer | AI Developer

Fullstack Developer focused on **React, Next.js, Nest.js, and PostgreSQL**, specialized in integrating **LLMs and Generative AI solutions** into real-world applications. Experienced in designing scalable architectures, robust APIs, and high-performance frontend systems. Passionate about building complete end-to-end products while optimizing performance, user experience, and maintainability.

Experience

Frontend Developer, Independent Contractor | Architecture Studio – Remote Dec 2025 – Feb 2026

- Led the full development of the institutional platform using **Next.js, Nest.js, and PostgreSQL**.
- Designed and built scalable REST APIs for content management and dynamic features.
- Implemented an **AI-powered chat assistant** integrating **Groq SDK**, optimizing low-latency responses and token streaming.
- Applied advanced **Prompt Engineering** strategies and context control techniques.
- Improved application performance through hybrid rendering strategies (**SSR, ISR, and CSR**).

Fullstack Developer, Pawtrics Software LLC – Remote May 2023 – Apr 2024

- Developed full frontend and backend modules connected in real time with **Supabase (PostgreSQL)**.
- Designed secure endpoints and implemented authentication flows.
- Built an internal reusable component library to improve design consistency.
- Implemented complete CRUD workflows with validation and optimized state management.
- Actively participated in code reviews and architectural improvements.

Education

Universidad Tecnológica Nacional (UTN), Student in University Technical Degree in Programming – San Nicolás, Argentina Mar 2025 – Present

Projects

NachAI – AI-Powered UI Generation Platform – [View Details](#)

- Fullstack real-time frontend code generation platform inspired by v0.
- Backend built with **Nest.js** and **TypeORM**, managing sessions, persistence, and access control.
- Integrated multiple models (**Gemini, Groq**) using **Vercel AI SDK** with streaming responses.
- Implemented a live sandbox preview system for secure execution of generated components.
- Designed a **monorepo architecture with Turborepo**, sharing types between client and server.

NachUI – Design System & Component Library – [View Details](#)

- Scalable Design System built with **Next.js, TypeScript, and Tailwind CSS**.
- Modular architecture focused on reusability and maintainability.
- Integrated an AI assistant trained on system documentation using **Groq**.
- Implemented structured documentation with a strong focus on accessibility (a11y) and developer experience (DX).

Skills

Frontend: TypeScript, React, Next.js, Astro, Tailwind CSS, Framer Motion

Backend & AI (LLMs, SDKs, Agents, Frameworks): Nest.js, Node.js, PostgreSQL, TypeORM, Generative AI, Prompt Engineering, Vercel AI SDK, Google Gen AI, Groq, Claude, OpenCode, Claude Code, Google Antigravity IDE

Tools & DevOps: Turborepo, Docker, OAuth, Git

Languages: English (Intermediate Technical), Spanish (Native)