Edgar Ignacio Figueroa

Frontend Developer | React – Next.js - TypeScript

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Profile

Frontend Developer specialized in the **React ecosystem** (**Next.js, TypeScript, Tailwind CSS**).
Focused on **scalable component architecture**, **Design Systems**, and **web performance optimization**.
I have **solid backend knowledge** (**Node.js, SQL**), which facilitates **API integration**.
UTN student, currently innovating in **AI-powered conversational interfaces**.

Experience

Frontend Developer – Pawtrics Software LLC (Remote) | May 2023 – April 2024

- Developed 20+ reusable components using Next.js and React, implementing SSR/CSR.
- Designed and implemented a full CRUD system connected to PostgreSQL via Supabase.
- Created a modular design system using Material UI.
- Collaborated with an agile team using Git/GitHub with code review methodology in pull requests, reducing bugs.

Education

University Technical Degree in Programming (In Progress)

National Technological University – San Nicolás Regional Faculty
March 2025 – Present

Projects

I7A UI – Design System and Component Library for React | github.com/figueroaignacio/ui – Visit site

Next.js | TypeScript | Tailwind | Turborepo | Velite | Motion | Groq SDK | LLM Integration

- I architected a **modular design system** with **highly reusable components** built with **React and Tailwind CSS**, integrating **smooth animations** using **Motion**.

- Managed **Monorepo architecture** (**Turborepo**) to orchestrate multiple packages and ensure efficient project scalability.
- Built **interactive bilingual documentation** with full **i18n support**.
- Implemented a **conversational AI chatbot** trained on the entire technical documentation, capable of **resolving implementation questions** and providing **accurate code snippets in real time**.

N-bot – Interactive Portfolio Assistant | Source Code - Try N-bot

React | Next.js | TailwindCSS | Groq SDK | LLM Integration

- Developed a **conversational agent** capable of answering **context-aware queries** about my professional profile, acting as a **first point of contact for recruiters**.
- Built a **smooth conversational interface** using **modular React components** and **Tailwind CSS styling**, optimized for **real-time response rendering** through **Groq SDK integration**.
- Applied **advanced Prompt Engineering techniques** (**System Prompting**) to **constrain the model's knowledge** and ensure **accurate, professional responses**.

Technologies and Tools

Frontend: TypeScript, React, Next.js, Astro,Tailwind CSS, Material UI, Motion, i18n.
Backend & DB: Node.js, Nest.js, PostgreSQL, PrismaORM, TypeORM, Supabase, RESTful APIs
AI Engineering: Groq SDK, OpenAI API, Gen AI SKD, Integración de LLMs, RAG, Prompt Engineering
Workflow & Efficiency: GitHub Copilot, ChatGPT, Claude, Gemini (for optimization and refactoring), task automation
DevOps & Management: Git/GitHub. GitLab, Turborepo, Vercel, Jira