Juan Carlos Lopez Moreno

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SENA apprentice eligible for an apprenticeship contract, Technical Degree in Cloud Application Development (SENA) and Associate Degree student in Business Technology (UIS). Web developer focused on modern JavaScript/TypeScript development, building clear and maintainable web solutions. Strong learning mindset with the ability to quickly adapt to new technologies, understand business contexts, and apply them effectively in real-world projects.

PROJECT EXPERIENCE

Time To Focus

Full Stack Project   *gust 2025 – Present*

- Developed an interactive Twitch bot with a custom OBS overlay, integrating three external APIs (Spotify, OpenWeather, Twitch IRC) for "study with me" live sessions.
- Implemented a real-time command system synchronizing Twitch chat with on-screen overlays using WebSockets.
- Designed a configurable Pomodoro timer (25/5/15 minutes) with persistent task management controlled through chat commands.
- Built a modular architecture handling OAuth authentication, API rate limiting, and bidirectional real-time communication.

Cafe Yamara

Full Stack Project   *October 2025 – December 2025*

- Developed a full-stack platform using Next.js 14 (App Router) applying the Repository Pattern and Server-Side Rendering (SSR) to optimize SEO and performance (First Contentful Paint under 3 seconds).
- Implemented JWT-based authentication with Supabase Auth and secured admin routes through custom middleware, combined with PostgreSQL Row-Level Security (RLS).
- Designed a modular monolithic architecture with a Service Layer, decoupling business logic from UI and enabling reuse across Server Components, Client Components, and API Routes.
- Built a persistent shopping cart system using Zustand with localStorage middleware, featuring dynamic price calculation and synchronized global state across navbar, store, and checkout.

Vet Care

Full Stack Project   *Julio 2025 – Agosto 2025*

- Developed a full-stack platform using Next.js 14 (App Router) applying the Repository Pattern and Server-Side Rendering (SSR) to optimize SEO and performance (First Contentful Paint under 3 seconds).
- Implemented JWT-based authentication with Supabase Auth and secured admin routes through custom middleware, combined with PostgreSQL Row-Level Security (RLS).

- Designed a modular monolithic architecture with a Service Layer, decoupling business logic from UI and enabling reuse across Server Components, Client Components, and API Routes.
- Built a persistent shopping cart system using Zustand with localStorage middleware, featuring dynamic price calculation and synchronized global state across navbar, store, and checkout.

EDUCATION

UNIVERSIDAD INDUSTRIAL DE SANTANDER   **Bucaramanga, Colombia**

Associate Degree in Business Technology   *August 2023 – Present*

SERVICIO NACIONAL DE APRENDIZAJE SENA   **Bogotá D.C., Colombia**

Technical Degree in Cloud Application Development   *April 2025 – Present*

SKILLS

- Frontend: JavaScript, TypeScript, React, Next.js, HTML, CSS, Tailwind CSS
- Backend: Node.js, Express.js, Python, REST API design and implementation, JWT authentication
- Databases: MySQL, PostgreSQL, MariaDB, Sequelize, Supabase, SQL
- Tools & Cloud: Git, GitHub, Bash, Vercel, web application deployment
- Core Competencies: Full-stack development, application security, third-party service integration, real-time communication (WebSockets)
- Structured problem-solving and analytical thinking
- Ability to learn new technologies and adapt to changing technical contexts
- Clear communication of technical ideas
- Attention to code quality, maintainability, and documentation
- Collaboration in technical and cross-functional environments
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