

Hector Leal

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EDUCATION

Tecmilenio University

Software engineer

May 2023 - Present

Monterrey, NL

PROFESSIONAL SUMMARY

Software Engineering student with 3+ years of full-stack development experience. Proven track record of designing and deploying 3+ production-ready web applications with real-world impact, including platforms achieving 100+ active users and 40% monthly growth rates.

SKILLS

Frontend: Next.js, React, Javascript, Typescript, Tailwind CSS, SSR / SSG, Responsive design | Backend: Python, (FastAPI), Node.js, REST APIs, JWT Auth, PostgreSQL, Supabase | AI/LLM: LLM Integration, RAG Pipelines, Prompt Engineering, Model Inference APIs, Vector Databases, AI Feature Development | DevOps: Docker, CI/CD, AWS, GCP, Azure, Serverless, Microservices, Monitoring & Logging | Architecture: Scalable systems, Performance, Optimization, System design, Caching (Redis) | Languages: Spanish Native, English (C2 Advanced Proficiency)

WORK EXPERIENCE

Frontend Developer

Mydilsa LG Monterrey, NL

Mar 2024 - Present

- Redesigned and deployed responsive website for industrial manufacturing firm, increasing client engagement by 30%
- using Astro framework and Tailwind CSS.
- Optimized site performance and user experience for enhanced customer conversion.

PROJECTS

ResumeRoast - AI-Powered Resume Review Platform

Developed full-stack web application providing AI-driven resume analysis and feedback for job seekers. Implemented user authentication, file upload functionality, and real-time feedback system. Achieved 100+ active users with 40% monthly growth rate through community-driven features and interview preparation tools.

SnapLink - URL Optimization Tool

Built performance optimization tool for URL management and link analysis. Implemented caching mechanisms and database optimization techniques resulting in 60% latency reduction. Features include analytics dashboard and bulk URL processing capabilities.

Mydilsa LG - Mobile-Compatible Website

Developed responsive mobile-first platform with focus on user engagement and accessibility. Implemented progressive web app features and optimized loading times. Achieved 35% improvement in user engagement through enhanced UI/UX design.

Girokiq — Canvas Note-Taking Application

Engineered full-stack canvas-based note-taking app with React and Supabase. Built custom drawing engine supporting pen, eraser, and lasso tools for real-time manipulation. Delivered cloud sync and authentication for secure cross-device access. Optimized rendering to handle 500+ interactive elements with 60fps performance.