

MANUEL ALEJANDRO CRUZ HERNÁNDEZ

Full Stack Developer | Software Development

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I am a Full Stack Developer with a constant desire to learn and create solutions. I enjoy diving deep into both frontend and backend technologies, optimizing performance or contributing to open-source projects.

PROFESSIONAL EXPERIENCE

Fullstack Developer – FACMED (UANL)

June 2025 – December 2025

- Successfully designed and launched the first official WebApp for the Faculty of Medicine Congress, achieving widespread adoption by attendees.
- Architected and implemented reusable abstractions in **React** for complex UI components, utilizing **TypeScript** and **Tailwind** to optimize the display of speakers, workshops, and symposia.
- Orchestrated backend services (**Node.js**) and used **MongoDB** as the database to ensure data synchronization between the speaker and attendee modules.

.NET Developer – FACMED (UANL)

January 2025 – June 2025

- Successfully developed a comprehensive clinical management system with clean architecture and layered separation, implementing digital medical records for the administration of medical offices, patient management, doctors and appointments using modern technologies such as **.NET**, **C#**, **Blazor**, **ASP.NET** and **MySQL**.

FullStack Developer – DATEN.MX

January 2024 – May 2024

- Optimize and develop integrations between distributed systems and software for the real estate sector (clients like TerraRegia).
- Integrate modules with **Angular** for internal service consumption, critical incident resolution, and code refactoring.
- Migrate and refactor queries in **PostgreSQL** and **SQL Server** databases.

Personal and Academic Projects

2021 – 2026

- Development and use of modern technologies and application of logic through classes, and functions.

EDUCATION

UANL, Facultad de Ciencias Físico Matemáticas – Lic. en Multimedia y Animación Digital Nuevo León, San Nicolas de los Garza (2021 – 2025)

CETis No.133 Mariano Rincón – Logistics Technician Veracruz, Naranjos Amatlán (2018 – 2021)

LANGUAGES & TECHNOLOGIES

C++, **C#**, **Python**, HTML5, JavaScript, **SQLServer**, **MySQL**, **PostgreSQL**, **React**, Angular, NextJS, **ASP.NET**, Tailwind, **Visual Studio**, Visual Code, **Excel**, **PowerBI**, Microsoft Office, **GitHub**.

SKILLS & APTITUDES

Continuous learning and adaptability, teamwork and collaboration, strong social and communication skills, database management, and process optimization

LANGUAGES

- Spanish: (Native)
- English: B1 Intermediate.