

ESTEBAN ALEMAN MANZANILLA

SOFTWARE ENGINEER

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Software Engineer with a passion for building efficient and scalable solutions, eager to tackle complex challenges and apply innovative thinking to full stack development. I have demonstrated expertise in various programming languages, problem-solving, and effective collaboration across teams to deliver impactful results.

EXPERTISE IN

HTML	React JS	Python	SQL
CSS	Node JS	C++	MongoDB

KEY COURSEWORK / PROJECTS

- **Completed Coursework:** Object-Oriented Programming, 2022. C++
- **Completed Coursework / Project: Software Development, 2023. C#, ASP.NET, Java, JavaScript, SQL, HTML, CSS, ReactJS**
 - Developed a gamification project for Sorteos Tec.
 - **Main responsibilities:** Designed and developed the frontend of the web app, and handled the connection to the backend built with Node.js.
- **Completed Coursework / Project: iOS Software Development, 2024. Swift, Node.js, SQL, VisionOS**
 - Developed an app for the Vision Pro, aimed at helping med students with their studies and exploring new methods of teaching and learning.
 - **Main responsibilities:** Designed and developed the frontend of the app, managed navigation within the app, and developed and maintained the backend using Node.js and SQL.
- **Completed Coursework / Project: Software Development, 2024. NextJS, Typescript, PostgreSQL, TailwindCSS, OpenAI**
 - Developed a web solution for NEORIS, to streamline and automate the pre-sale workflow of projects.
 - **Main responsibilities:** Designed and developed the frontend, integrated AI capabilities with the frontend, and ensured smooth integration between the backend and frontend. Also established CI/CD pipelines and implemented unit testing.

PROFESSIONAL EXPERIENCE

Zebra Technologies - Intern TechOps

Apr 2024 - Present

- Led, managed, and developed an audit system project aimed at digitizing and aligning with Industry 4.0 standards.
- The main task was to transform the audit process from Excel sheets to a full web application, complete with admin dashboards and automatic reports, making over 20 LSS4.0 audits each month more efficient.
- Developed the system from the ground up to deployment using ReactJS, Python (FastAPI), and MongoDB.
- Collaborated with U.S.-based teams, managers, and Asian suppliers.

EDUCATION

B.S. in Computer Science and Technology

Jan 2022 - Dec 2025

Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM)

- Major in Computer Science

ADDITIONAL INFORMATION

- **Languages:** Spanish (native), English (C2 - Advanced), German (B1 -Intermediate), French (A1 - Beginner)
- **Courses / Certification:** C++ - University of California, Python - University of Michigan, Meta - Front-end developer, Meta - Back-end Developer.
- **Awards/Activities:** Participation in biggest Hackathon in Latin America - HackMTY