

MAXIMILIANO ALEXANDER MENDOZA LÓPEZ

SOFTWARE ENGINEER | FULL STACK & MOBILE DEVELOPER

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EDUCATION

Software Engineering

University of Colima – Faculty of Electromechanical Engineering
Currently in the 8th semester

Manzanillo, México |

Expected Graduation:
July 2026

WORK EXPERIENCE

ISAOSA IT Intern

Manzanillo, Colima | Aug 2025 – Present

- Designed and developed a modular mobile application to digitize daily operational checklists, automating PDF report generation and streamlining the status tracking of critical assets.
- Performed advanced web application diagnostics using Browser DevTools (Console/Network), debugging client-side vs. server-side errors to accelerate resolution times for internal portals.
- Documented network topology by creating detailed physical and logical diagrams (Office Site & Control Room), enhancing infrastructure visibility and maintenance efficiency.
- Executed daily monitoring of IoT devices (IP Cameras, APs, ISPs) and resolved hardware/software incidents, including SMTP server configuration for network printers and IP conflict resolution.

KEY PROJECTS

NauticStock (Naval Logistics)

MERN Stack (React, Node.js, Socket.io)

- Engineered a naval logistics platform featuring real-time dashboards, enhancing inventory visibility and reducing physical audit times via automated PDF reporting.
- Implemented predictive shortage alerts and WebSocket communication to optimize supply chain efficiency in mission-critical environments.

Inzure (Mobile Application)

Kotlin, Jetpack Compose, Clean Architecture

- Built a centralized native Android application for insurance management, leveraging Jetpack Compose and MVVM to boost UI development velocity by 40%.
- Integrated Firebase for real-time social features, unifying auto, life, and business policies into a scalable ecosystem.

CultureEdge (Social Platform)

PHP, MVC, MySQL Stored Procedures

- Constructed an academic social network, optimizing database performance by offloading complex logic to SQL Stored Procedures.
- Implemented a custom MVC architecture from scratch, ensuring robust security for session management and multimedia content.

SKILLS

- Proficient:** Python, Kotlin, JavaScript, C#, Django, React.js, SQL, Git.
- Familiar:** Node.js, Unity (AR), Docker, Firebase, Network Debugging, Infrastructure Mapping.
- Languages:** Spanish (Native), English (Advanced - C1).
- Interests:** Mobile Architecture, Augmented Reality (AR), Cybersecurity, IoT & Networking.