Luis Carlos Mendoza Romero

Frontend Web Developer | Mechatronics Engineer with Embedded Systems Experience

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Professional Summary

Motivated **Web Developer** with a background in **Mechatronics Engineering** and 2+ years of experience in embedded software and DevOps. Passionate about building responsive, user-friendly web applications. Strong foundation in **React, JavaScript, Tailwind CSS**, and problem-solving, with hands-on experience in automation, version control, and cloud-based environments.

Education

BACHELOR'S DEGREE IN MECHATRONICS ENGINEERING
2016 – 2021 | INSTITUTO TECNOLÓGICO NACIONAL DE MÉXICO – COLIMA

FRONTEND WEB DEVELOPMENT COURSE
BÉCALOS TECH CHALLENGE – DEV.F | OCT – DEC 2024

MASTER FRONTEND WEB DEVELOPMENT COURSE
Bécalos Tech Challenge – DEV.F | FEB 2025 – Present

EMBEDDED LINUX COURSE
Nov 2022 – January 2023 – Universidad Marista de Guadalajara

Technical Skills

FRONTEND
- React, JavaScript (ES6+), HTML5, CSS3
- Tailwind CSS, Ant Design, Responsive Design
- Git, GitHub, Source Control

EMBEDDED & OTHER
- Embedded C, Linux, CAN Protocol
- Green Hills Compiler, Polyspace, Visual Studio
- JIRA, Confluence, MS Excel

DEVOPS & BACKEND BASICS
- Python, Node.js (basic), Docker, Jenkins
- Azure Cloud, REST APIs, Automation Scripts

LENGUAGES
- Spanish: native
- English: C1 - Advanced

Work Experience

SOFTWARE ENGINEER | CONTINENTAL AUTOMOTIVE SERVICES SA DE CV | MAR 2022 – APR 2024
- Automated integration processes using Python, boosting efficiency and reducing manual tasks.
- Managed DevOps pipelines using Jenkins, Docker, and Azure Cloud for emulated environments.
- Analyzed and resolved software issues related to AUTOSAR-based systems.
- Collaborated on international projects with major OEMs including Ford, Toyota, Stellantis, and GM.
- Documented technical processes and debugged embedded C code using Renesas E1 tools.