

Luis Lopez

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EXPERIENCE

GlobalLogic

Software Engineer (Automotive team)

Guadalajara, JAL, MX

Jun 2024 - Sep 2024

- Triaged and resolved blocker/critical bug tickets for a Linux-based infotainment system, improving system stability for future deployment in vehicles.
- Developed a power management feature for LCD's aimed at improving energy efficiency.
- Reproduced bugs using hardware environments, ensuring a high closure rate for blocker/critical issues.

Omron

Software Engineer (2nd engineer)

Guadalajara, JAL, MX

Oct 2022 - Jun 2024

- Worked on sustaining activities for mobile robot platforms, resolving client-reported bugs of varying complexity while gaining proficiency in the C/C++ codebase.
- Developed a UART bootloader for the PIC32 MCU, allowing remote firmware updates through a web UI, reducing the onsite update process by 50%.
- Improved the charging state machine for the LD series battery, ensuring an accurate display of parameters via RS-232, improving efficiency in automated tasks for robot fleets.
- Improved the HD series HMI panel for better text display, supporting centered text and multiline messages, facilitating operator interaction.

Accenture

Associate Data Engineer

Nuevo Leon, MTY, MX

Mar 2022 - Oct 2022

- Completed a 1-month data academy focused on AI, Edge computing, 5G, Azure, SQL, Python, and various data tools to enhance technical expertise.
- Collaborated as part of an agile team to develop an internal tool for global financial data management, migrate legacy Java back-end code to a C# microservices architecture and manage data storage with BigQuery.

Flex

Test Technician (level 5, grade 8)

Guadalajara, JAL, MX

Jul 2021 - Mar 2022

- Provided support for workstations and production line issues. Conducted multilevel system troubleshooting and implemented fixes to ensure correct operation across testing stations. Automated status and production yield reports using Python and Bash scripts, reducing manual reporting time by 50%.

Geodis

Developer

Guadalajara, JAL, MX

Nov 2020 - Jun 2021

- Developed and maintained key ERP modules including user management, invoice generation and carrier control using VB.NET and C#.
- Designed a web application for warehouse equipment management, making use of QR codes and mobile devices to track battery charge/discharge cycles to identify faulty equipment.
- Managed databases using MS SQL Server for ERP and web applications to support business operations.

Skills

Languages: C++, C, C#, Python, Java, SQL (MS SQL Server), JavaScript, HTML/CSS

Education

Guadalajara University, Sc.B. in Communications and Electronics Engineering,
Guadalajara, Jalisco, Mexico.

2010 – 2015