

Jose Daniel Toledo Zepahua

Software Engineer

A collaborative and results-driven Software Developer with a strong foundation in engineering principles and over 4 years of experience building robust, high-quality systems. Currently specializing in the Java Full Stack ecosystem, leveraging technologies like Spring Boot, JavaScript, MySQL, and AWS to create end-to-end web applications. My background in embedded systems provides deep expertise in software architecture and rigorous testing, honed through leading Agile teams and direct client collaboration. I am seeking to apply this unique combination of technical and interpersonal skills to build scalable and reliable software solutions.

Contact

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Professional Experience

Alma de Tortuga (E-Commerce)

Project Lead & Full Stack Developer | September 2025 - December 2025

- Led the end-to-end development of "Alma de Tortuga," a full-stack e-commerce application, from concept and architecture to final deployment.
- Architected the backend infrastructure using Java and Spring Boot to build RESTful APIs, and directed the implementation of the responsive frontend with JavaScript, HTML5/CSS, and Bootstrap.
- Acted as Scrum Master for the project team, facilitating all Agile ceremonies, managing the product backlog and sprints, and overseeing the MySQL database design and deployment on AWS/Linux.

Elektrobit

Embedded Software Engineer | January 2023 - June 2025

- Architected layered, real-time software architectures (RTOS) and developed critical cybersecurity/cryptographic modules in Embedded C, defining APIs to integrate core system services.
- Drove the end-to-end integration of a dual bootloader solution on a complex SoC, performing unit and integration testing and developing flashing procedures to ensure system reliability.
- Provided first-level client support for software stack integration while leading the creation of V-Model compliant technical documentation and designs in Enterprise Architect.

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SCRUM Master | October 2022 - January 2023

- Orchestrated the complete Agile framework for a 14-person, multi-site international team, managing all Scrum ceremonies and the project lifecycle in Jira.
- Assumed a hybrid Scrum/Project Manager role, acting as the key liaison to lead client-facing communications, perform estimations, and remove impediments to ensure project delivery.

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Embedded Software Engineer | August 2021 - January 2023

- Successfully delivered the complete fault diagnostics firmware in Embedded C for two distinct power control modules, architecting a modular, component-based solution on Renesas microcontrollers.
- Managed the full V-Model lifecycle from requirements traceability in Polarion to quality assurance, performing static analysis (QAC/MISRA-C), unit testing (Ceedling/GTest), and defect tracking in Jira.
- Led hands-on integration and qualification bench testing using JTAG debuggers and protocol analysis tools to validate system performance and ensure client compliance.

Mabe MPT Electrónica

Project Engineer Intern | January 2021 - August 2021

- Engineered and developed the end-to-end control system for a semi-automated assembly fixture, using a PIC microcontroller and C# UI to enforce a quality-mandated screwing sequence and significantly reduce component scrap.
- Trained and onboarded new production employees on proper assembly procedures and fundamental electronics concepts.

Technical Skills

- Web & Full Stack Development: Java, Spring Boot, JavaScript, HTML5, CSS, Bootstrap, MySQL, AWS, Linux
- Programming Languages: Java, Python, C++, C (Embedded), C#
- Development Methodologies & Processes: Agile, Scrum, Kanban, V-Model / ASPICE
- Version Control & CI/CD: Git, GitHub, Jenkins, SVN, Plastic SCM
- General Development & Testing Tools: Jira, Confluence, Enterprise Architect (UML), GTest, Make
- Embedded & Low-Level Systems: Real-Time Operating Systems (RTOS), FreeRTOS, Microcontroller Architecture (ARM Cortex-M4), Communication Protocols (CAN/FD), Cybersecurity

Education

Electronic Engineer - Instituto Tecnológico de Querétaro | August 2016 - August 2021

Java Full Stack - Generation México | September 2025 - December 2025

Languages

- Spanish: Native
- English: Advanced (C1)

Certifications and Courses

- Introduction to Project Management (2022) - Brigham Young University
- Complete Guide to C++ Programming Foundations - LinkedIn Learning
- Oracle Java Foundations (2025) - Oracle University
- C Programming for Embedded Applications (2025) - LinkedIn Learning
- Introduction to FreeRTOS and Basic Task Management (2025) - LinkedIn Learning

Volunteering

Full-Time Missionary for The Church of Jesus Christ of Latter-day Saints | 2014 - 2016

- Conducted religious proselytizing to share church teachings and values and led community service activities such
- Supervised and mentored small and large groups of missionaries, fostering teamwork and personal growth.
- Developed strong interpersonal and cross-cultural communication skills through outreach.