Luis Salvador Mendoza Osorio

📍 Guadalajara, México
✉️ lmendoza.escom@gmail.com
📱 (+52) 33 2381 2534
🔗 LinkedIn: *(https://www.linkedin.com/in/acidkeyxyz/)*
🔗 GitHub: *(https://github.com/acidkeyxyz/)*

PROFESSIONAL SUMMARY

Software Architect / Senior Full Stack Engineer with **14+ years of experience** delivering enterprise-grade web applications across **FinTech, Telecom, Banking, Fleet Management, Document Management, and Genealogy platforms**. Strong expertise building scalable UI foundations through **Web Components and Design System standards**, ensuring **WCAG 2.1 AA accessibility compliance** and high performance under real-world traffic (millions of users). Proven track record leading modernization initiatives, improving quality through **100% testing coverage**, and enabling global delivery with **i18n and multi-region deployments**. Comfortable collaborating with cross-functional teams (design, product, QA, and stakeholders) and driving technical decisions from architecture to production.

CORE SKILLS

- **Frontend Architecture:** Web Components (Vanilla JS + Shadow DOM), React, UI patterns, component libraries
- **Accessibility (a11y):** WCAG 2.1 AA, AXE DevTools, Lighthouse, standards and governance
- **Testing & Quality:** Unit/Integration/E2E, Playwright, Mocha, Chai, Sinon, CI gates
- **Backend Engineering:** Node.js, Express, REST APIs, Java (JEE / EJB), Spring Boot
- **Databases:** MySQL, Oracle, SQL Server, PostgreSQL
- **DevOps & Cloud:** AWS (ECS), Terraform, Jenkins, Harness, DigitalOcean, monitoring (New Relic)
- **Architecture:** System design, high availability, performance, distributed components, multi-region readiness
- **Leadership:** mentoring, ownership, documentation, cross-team enablement

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PROFESSIONAL EXPERIENCE

Staff Engineer / Senior Software Engineer

Remote (Mexico) | 2021 – Present
Project: WebUI (High Availability UI Platform)

- Developed and maintained a **Web Components library** aligned with **WCAG 2.1 AA** for **up to 25M users**.
- Led development of **shared UI standards** including **banners, navigation header, and footer sections**, enabling consistency across the entire platform.
- Maintained highly available applications with **1K+ RPM** and ensured stable performance under peak traffic.
- Reduced security vulnerabilities and improved compliance through continuous code quality improvements and secure development practices.
- Achieved and maintained **100% code coverage** across core UI components with strict quality gates.
- Implemented internationalization improvements supporting up to **16 languages / 12+ countries**, enabling global expansion.
- Collaborated with product, design, and QA teams to ensure UI reliability, accessibility, and release readiness.
- Monitoring and observability using New Relic to detect errors, performance issues, and user-impacting regressions.

Tech Stack: Node.js, React, Web Components, Mocha, Chai, Sinon, Kafka, Redis, MySQL, SonarQube, New Relic, AWS ECS, DynamoDB, Terraform, Harness, Jenkins, GitHub, Shell scripting

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Freelance Software Architect / Full Stack Engineer

Client: QueenTires | 2021 – Present
Product: YuriApp (ERP + CRM SaaS)

- Designed and implemented a full ERP/CRM platform from scratch to production for the **Mexican automotive sector** (tires, rims, mechanical services).
- Built multi-role system views for **branches, providers, wholesalers, investors, employees, admins**, and role-based workflows.
- Owned the full delivery lifecycle: **requirements, sprint planning, estimation, architecture, development, deployment, and support**.
- Implemented scalable database design, MVC architecture, and production-ready backend services.
- Deployed and maintained production environments using **DigitalOcean**, with CI/CD pipelines built from scratch.
- Followed **OWASP-oriented secure development practices** and ensured reliability for daily business operations.

Tech Stack: React, Node.js, Express, JavaScript, ESLint, Mocha, Chai, MySQL, Git, DigitalOcean, Heroku

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Senior Software Engineer

APEX Systems | 2021
Account: FIS Chile – Bank of Chile

- Delivered support and maintenance for enterprise banking applications.
- Resolved production incidents and improved stability through proactive fixes and code quality improvements.

Tech Stack: Java 8, Maven, EJB, J2EE, WebLogic 12c, Jenkins, SonarLint, IntelliJ, SVN, Ant, Shell scripting, JIRA

Software Developer Specialist

AMDOCS Software Services Americas | 2017 – 2020
Account: AT&T (Telecom)

- Led Mexico team delivery for the last **3 major releases**, ensuring stable and on-time deployments.
- Reduced Java deployment time by **~50%** through automation using **UNIX shell scripting**.
- Initiated testing adoption using **Selenium + JUnit**, improving confidence and release stability.
- Improved codebase by removing unused code and optimizing critical paths.
- Drove DevOps modernization including **Maven, Jenkins, Docker, Selenium** integration.
- Addressed ethical hacking findings using SonarQube: **XSS, CSRF, SQL Injection**, and other vulnerabilities.
- Supported migration initiatives including SVN → Git (Bitbucket) and JSP → React modernization proposals.

Tech Stack: Java 7, JSP, J2EE, Groovy, Oracle 11g, WebLogic 11, Selenium, Jenkins, Maven, SonarQube, SVN, Shell scripting, SunOS

Awards: Most Challenging Project, Promotion to Lead Mexico Team

Senior Software Engineer

TATA Consultancy Services | 2015 – 2017
Account: Element Fleet Management

- Led front-end modernization from JSPs to **BackboneJS**, improving maintainability and user experience.
- Improved application response time by **~80%** through performance tuning and front-end optimization.
- Introduced **Sass** and improved UI scalability and maintainability.
- Implemented automation testing initiatives to reduce manual regression effort.
- Served as first point of contact for Mexico team and mentored team members.

Tech Stack: BackboneJS, Node, NPM, Gulp, Grunt, Bootstrap, FusionCharts, Sass, jQuery, DataTables, Spring Boot, Tomcat Embedded, Git, Jenkins

Awards: Best Team, Highest Appraisal Score, Promotion to Lead Project in USA

Junior Software Engineer

TATA Consultancy Services | 2013 – 2015
Account: General Electric (GE Corporate)

- Resolved ~70% of incoming tickets through Java APIs and custom automation workflows.
- Delivered automation that saved up to **10x human hours** in operational processes.
- Built an internal reporting system for time tracking in Java.
- Supported secure file transfers and integration workflows (FTP/SFTP/RSA).
- Delivered solutions for document management platforms.

Tech Stack: Java Core, Spring Boot, Tomcat, XML, HTML5, CSS3, jQuery, AJAX, Bootstrap, JSON, Selenium, Java Swing, SQL Server 2005, UNIX/Linux, CVS

Design Patterns: Factory, Builder, Singleton, Filter
Awards: Multiple promotions and recognition awards (Top Employee, Performance Excellence, Solutions Expert)

Front End Jr

Anzen Digital | 2011 – 2013
Account: CitiBanamex (FinTech / Banking)

- Migrated legacy JavaScript UI to modern e-banking experience using jQuery and charting tools.
- Worked on Bancanet platform (Enterprise, Personal, Mobile).
- Performed manual testing for mobile e-banking and ensured stability for customer-facing features.

Tech Stack: Java (J2EE), JSP, WebLogic, HTML, CSS, JavaScript, jQuery, Highcharts, Shell scripting, VBScript, SQL Server, HP ALM Quality Center

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KEY PROJECTS

WebUI – High Scale Web Components Platform

- Web Components library aligned with design standards, accessibility compliance, and multi-language support.
- Shared banners + navigation header/footer standards across platform.
- High availability, performance, and global readiness.

YuriApp – ERP/CRM SaaS for Automotive Sector

- Full product ownership: architecture, implementation, deployment, and operations.
- Multi-role views and workflows for business operations.

GE DropBox App (Standalone Java Swing)

- Desktop application for secure login and remote document upload/download.

EDUCATION

Computer Science Engineering (Bachelor's Degree)
Escuela Superior de Cómputo (ESCOM) – IPN | **2007 – 2011**

Digital Systems Technician (High School)
CECyT #3 "Estanislao Ramírez Ruíz" – IPN | **2001 – 2004**

CERTIFICATIONS

- Six Sigma Green Belt
- *(Add any Deque / accessibility certifications if you want, or remove)*

LANGUAGES

- Spanish: Native
- English: Fluent (Professional working proficiency)

ADDITIONAL STRENGTHS

- Strong ownership and accountability
- Cross-team collaboration with design/product/QA
- High standards for quality and maintainability
- Documentation-driven engineering and enablement
- Comfortable working under high traffic and global scale