JOSÉ ALEJANDRO SAMPABLO MARTÍNEZ

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PROFESSIONAL SUMMARY

Aspiring Software Development Engineer and Computer Engineering student (GPA 94/100) with proven experience architecting scalable distributed systems. **Passionate about building modern world-class web experiences** and solving complex problems using emerging technologies and Cloud-native architectures. Dedicated to delivering high-quality code through operational excellence, improving developer productivity, and continuous innovation in global industrial environments.

TECHNICAL SKILLS

Front-End & Web: JavaScript, TypeScript, React, HTML/CSS, Socket.io.
Backend & Data: Node.js, Express, C#, .NET, PostgreSQL, MongoDB, Redis, SQL, REST APIs.
Cloud & DevOps: AWS, Docker, CI/CD Pipelines, Version Control Systems (Git), GitHub.
Core Concepts: Data Structures, Algorithms, Object-Oriented Design, Operational Excellence, Unit Testing (Jest/NUnit).
Spoken Languages: Spanish (Native), English (Full Professional Proficiency).

EXPERIENCE

John Deere   July 2024 – Present
Software Engineer Intern   *Torreón, Mexico*
 - **Full-Stack Architecture & Scalability:** Architected a mission-critical full-stack application serving **1000+ users** across **60 global manufacturing facilities**, driving a **80% increase** in operational efficiency.
 - **Testing & Quality Assurance:** Implemented robust unit testing suites (Jest/NUnit) achieving 85% code coverage, which directly reduced production bugs by 45%, aligning with best practices for web development standards.
 - **System Integrity:** Engineered an enterprise-grade Audit Trail Module into an existing production codebase, achieving 100% traceability for regulatory compliance across 100+ data tables.
 - **Cross-Functional Collaboration:** Collaborated effectively with cross-functional teams using excellent written and verbal communication to deliver sprint goals 2 days ahead of schedule.
 - **Fault Tolerance:** Developed a State Restoration Engine to revert records to historical versions, reducing manual data recovery efforts by 60%.
 - **Troubleshooting Support:** Demonstrated strong troubleshooting skills by resolving 95% of critical incidents within 48 hours, maintaining a 98% user satisfaction rate.

PROJECTS

Real-Time Distributed Communication Platform | *React, Node.js, Redis, Socket.io*   2024
 - **High Performance Web Experience:** Designed a scalable messaging service supporting 200+ concurrent users with sub-100ms latency.
 - **Optimization:** Optimized system performance using Redis caching, reducing server load by 40%, demonstrating deep understanding of web architecture.
 - **Innovation:** Leveraged emerging technologies in real-time data streaming to enhance user engagement.

EDUCATION

Instituto Tecnológico de la Laguna   Torreón, Coah
Bachelor of Science in Computer Engineering Systems   *Jan. 2022 – Aug. 2026*
 - Relevant Coursework: Data Structures, Algorithms, Operating Systems, Network Security, Distributed Systems.
 - **Graduation Date aligns with Early Career requirements (Oct 2025 - Sept 2026).**

ACHIEVEMENTS & LEADERSHIP

Líderes en Movimiento | *High-Potential Leadership Program*   July 2025 – Nov 2025
 - Selected for an exclusive program focused on developing written and verbal communication and leadership.
 - Applied strategic thinking to solve complex challenges in collaborative environments.

Competitive Programming | *Algorithm Specialist*   Jan. 2022 – Present
 - Solved 300+ algorithmic problems on LeetCode/Codeforces (Dynamic Programming, Graphs), demonstrating strong technical skills and ability to dive into complex logic.