

LUIS ARTURO ENRIQUEZ VELAZQUEZ

FULL STACK SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with expertise in distributed web architectures, real-time telemetry, and enterprise automation. Proven track record designing high-availability systems with Spring Boot, NestJS, Angular, and React. Experienced in integrating geospatial tracking (Leaflet/KML), WebSocket-driven field operations, and cryptographic credential verification that measurably optimize dispatch velocity and operational accuracy.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Java, C#, Python, SQL.
Frontend & UI:	React, Next.js, Angular, Astro, Zustand, Tailwind CSS, HTML/CSS.
Backend & APIs:	Spring Boot, NestJS, Express, ASP.NET, Node.js, REST, WebSockets.
Data & Brokers:	PostgreSQL, SQL Server, MySQL, MongoDB, Redis, InfluxDB, RabbitMQ, Mosquitto.
Cloud & DevOps:	Linux/VPS, AWS, S3/R2, Vercel, Docker, Git, Sentry.

WORK EXPERIENCE

Eni Networks — Full Stack Developer

Jan 2025 – Present | Mexico

Zone, Route, and Installation Management System

- Spearheaded development of a real-time field operations platform, reducing technician dispatch overhead and response times by 35% using WebSocket telemetry and custom KML/KMZ geospatial layers.
- Automated customer notification workflows via WhatsApp Business API, decreasing inbound support tickets and friction regarding technician arrival windows.
- Engineered a scalable multi-tier web console with Angular Material, Java/Jersey, PostgreSQL, and Linux VPS environments for centralized field tracking.

Adbansys — Full Stack Developer

Oct 2024 – Jan 2025 | Mexico

Human Resources Management System

- Designed and delivered an automated HR documentation engine, accelerating dynamic report and contract generation by 40% compared to manual internal workflows.
- Built resilient backend services utilizing Spring Boot, Node.js, and Docker containerization, ensuring zero-downtime deployments and consistent data schemas.
- Developed intuitive administrative portals in Angular, improving personnel audit readiness and access speed.

ITSON (Instituto Tecnológico de Sonora) — Full Stack Developer

Jan 2023 – Oct 2024 | Mexico

Clinical Management (CAICH), Inventory, and Vehicle Control Systems

- Built and launched clinical management platform (CAICH), achieving 100% self-service scheduling for students and completely eliminating room booking collisions across high-demand cubicles.
- Implemented multi-tier RBAC security and institutional digital ledger/wallet using React, Tailwind CSS, NestJS, and PostgreSQL/SQL Server.
- Architected inventory & vehicle lifecycle tracking systems for educational departments and municipal equipment, optimizing annual physical audit times by half.

Navojoa Municipal Government — Full Stack Developer

Oct 2023 – Feb 2024 | Mexico

IT Equipment Inventory Management System

- Engineered lifecycle tracking application across municipal agencies using NestJS, Ionic, and PostgreSQL, establishing full hardware asset traceability and reducing reconciliation cycles.

KEY PROJECTS

DocAuth — Digital Trust & Verifiable Credentials Platform

Flagship Project | docauth.app

- Designed end-to-end issuance and verification workflows with sub-second QR and on-chain validation, cryptographic evidence, and 99.9% uptime monitoring (Sentry + PostHog) on Next.js, PostgreSQL, Redis, and VPS.

EDUCATION & CERTIFICATIONS

Instituto Tecnológico de Sonora (ITSON) — B.S. in Software Engineering

2022 – 2026

Specializations: Advanced Angular Architecture | Advanced Docker | Java Spring Boot | Backend Development with NestJS | Next.js 14 Production Patterns | Python Core.