

Jared Mejía Hernández

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PROFESSIONAL SUMMARY

Full-stack developer with over 3 years of experience delivering impactful web applications. Proven track record in micro-frontend architecture, cloud storage integration, workflow automation, and building scalable cloud infrastructure for robotics teleoperation platforms across multiple sectors.

WORK EXPERIENCE

Robotic Crew | Software Engineer (March 2026 - Present)

- Engineered a cross-device authentication system using Better-Auth and ElysiaJS, enabling secure organization-level access and Meta Quest VR headset authorization via a companion web platform.
- Architected a continuous deployment pipeline for a microservices monorepo using GitHub Actions and AWS CDK, automating the deployment of PostgreSQL databases, AWS Lambda functions, and cloud infrastructure.
- Integrated real-time logging and telemetry with ClickHouseDB, developing a high-performance frontend graph dashboard to visualize and monitor live robot performance metrics.
- Migrated the WebXR WebSocket caching layer from local memory to AWS Valkey (Redis), ensuring persistent, reliable connection states between teleoperation robots and VR browsers across server events.

Edutechloft | Software Engineer (September 2025 - March 2026)

- Architected and deployed Azure Functions to automate student status tracking and document generation, eliminating manual administrative tasks.
- Developed dynamic web forms for student data collection, featuring automated PDF generation and secure storage.
- Engineered complex data reports using SSRS (SQL Server Reporting Services) to provide actionable insights for US-based colleges.
- Optimized database workflows within SQL Server to ensure high availability and data integrity for educational management systems.

Ficohsa | Frontend Developer (July 2024 - September 2025)

- Developed a high-traffic web application for insurance purchasing and integrated bank account payment processing.
- Implemented a micro-frontend architecture using React, Module Federation, and Next.js for enhanced scalability.
- Maintained the bank's internal component library by extending Material UI, standardizing UI/UX across all web platforms.

Ingenieria Digital | Full-stack Developer (April 2023 - September 2025)

- Integrated insurance provider systems to automate real-time benefit verification for patients.
- Collaborated on a digital medical records system and a secure cloud storage solution using AWS S3.
- Developed an online scheduling and payment system for medical appointments.
- Built a custom component library using Shadcn to accelerate the development lifecycle of new software products.

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, PHP, Python, SQL.
- Frontend:** React, Next.js, HTML5, CSS3, Material UI, Shadcn, Tailwind CSS.
- Backend & Tools:** Node.js, Bun, Deno, Azure, AWS (Lambda, CDK, S3), Sequelize, Prisma, Drizzle, ElysiaJS, Better-Auth, GitHub Actions.
- Databases:** SQL Server, PostgreSQL, MySQL, ClickHouseDB, Valkey (Redis).

EDUCATION & LANGUAGES

- Systems Engineering (2 Years):** UNAH - Universidad Nacional Autónoma de Honduras.
- Full Stack Developer Bootcamp:** Academlo.
- Languages:** English (C2 - Proficient), Spanish (Native).