

Eduardo Meza

Full Stack Software Engineer

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Professional Summary

Senior Full-Stack Software Engineer with **5+ years of experience** specializing in high-performance web architectures. Proven track record in **Frontend Leadership**, directing teams of developers to implement **standardized TypeScript types, Zod validation pipelines**, and reusable global component libraries. Expert in **Next.js (App Router)**, having leveraged **Server Actions, ISR**, and **SSG** to reduce **Largest Contentful Paint (LCP)** by **40%**. Experienced in end-to-end **Database Design** and **CI/CD**, including the solo development of multi-tenant platforms managing **3,000+ relational records**. Highly proficient in **SEO optimization** and **i18n (multi-language support)**, delivering scalable, globally-reachable applications with top-tier search engine visibility.

Technical Skills:

- **Languages:** TypeScript (Expert), JavaScript (ES6+), SQL, Python, HTML5, CSS3
- **Frontend Development:** React.js, Next.js (App Router), Redux, Redux Toolkit (RTK Query), Zustand, Tailwind CSS, i18n (Internationalization)
- **Backend & API Design:** [Node.js](#) (express), [Next.js](#) API Routes, RESTful API Design, Server Actions, Zod Validation, NextAuth.js
- **Database & ORM:** MySQL, MongoDB, Prisma ORM, Mongoose, MongoDB Atlas
- **Tools & DevOps:** CI/CD (GitHub Actions, Vercel), Jest (Unit Testing), Figma (UI/UX Design), Git
- **Optimization:** SEO Strategies, Core Web Vitals, SSR, ISR, SSG

Languages:

- **English** (Professional Proficiency)
- **French** (Elementary Proficiency)
- **Spanish** (Native Proficiency)

Professional Experience

Department of Education (Zacatecas) | Lead Frontend Engineer

January 2025 - Present

- **Architected and deployed** a comprehensive **Design System (DS)** and **Component Library (CL)** from scratch using **React, TypeScript, and Tailwind CSS**, increasing team development velocity by 50%.

- **Led the frontend transformation** of the SIAPSEZ digitalization platform, overseeing the end-to-end development of **15+ critical modules**, including payroll calculation engines, teacher registration systems, and administrative portals.
- **Engineered robust data validation pipelines** using **Zod and TypeScript**, ensuring 100% type safety and enhancing system security for a platform serving **7,000+ employees and administrative staff**.
- **Collaborated via Figma** to bridge design-to-code handoffs, ensuring UI/UX consistency and accessibility across complex system configurations and employee portals.
- **Standardized frontend architecture** by implementing global UI directives and strict typing schemas, reducing technical debt and streamlining code reviews for a team of 3 developers.

Hadassa (SaaS Platform) | Full Stack Developer (Independent)

January 2025 – Present

- **Architected and maintained** a production-ready salon management **SaaS** using **Next.js (App Router)** and **MySQL**, processing **3,000+ appointment entries** and managing 1,000+ client profiles.
- **Engineered a secure multi-tenant architecture** with **NextAuth.js** and **Zustand**, implementing high-performance state management for real-time availability tracking.
- **Developed a mobile-optimized web interface** using **Tailwind CSS**, ensuring a seamless booking experience across devices for diverse service providers.
- **Optimized database schemas** and RESTful API endpoints, ensuring sub-second response times for complex scheduling queries and data reporting.

NXG Media | Software Engineer

January 2020 – December 2024

- **Developed a library of 300+ reusable UI templates** using **React, Tailwind CSS, and Bootstrap**, increasing deployment speed for international clients by **50%**.
- **Engineered a custom CMS** integrated with **MySQL and PHP** to centralize client data, streamlining the management of 100+ deployed websites for U.S.-based stakeholders.
- **Modernized legacy frontend codebases** by transitioning from monolithic structures to modular **React components** and **Redux** state management.
- **Collaborated with cross-functional teams** to deliver scalable web solutions for a diverse portfolio of international media and technology brands.

Meridasoft | Junior Software Developer

January 2018 – December 2019

- **Executed the migration** of legacy web applications from **CodeIgniter to React**, improving frontend performance and maintainability.
- **Integrated custom business logic** within the **Odoo (ERP)** environment using **Python**, automating internal workflows and data processing.
- **Collaborated on full-stack feature development** using **MySQL and JavaScript (ES6)**, gaining foundational expertise in the SDLC and agile methodologies.

Key Technical Projects

Grupo Sol | React Native Signage Application

February 2025

- **Developed a specialized React Native application** for Android-based digital signage, featuring automated startup execution and preloaded high-definition video playback.
- **Implemented hardware-level optimizations** to ensure continuous, "always-on" video looping without performance degradation or system crashes.

Additional Experience

Independent Mentorship

Technical Mentor & Frontend Instructor | Independent

November 2024 – May 2025

- **Architected a comprehensive Web Development curriculum** for 7 junior developers, focusing on modern **JavaScript (ES6+)**, **HTML5/CSS3 semantic standards**, and responsive design principles.
- **Standardized code review processes** for student projects, ensuring best practices in folder structure, DOM manipulation, and performance optimization.
- **Accelerated technical proficiency** by designing custom lab exercises and practical project modules, leading to the successful deployment of 7+ personal portfolio applications.
- **Directed one-on-one technical deep-dives** to resolve complex logic issues, bridging the gap between theoretical concepts and production-ready code.

Education & Professional Development

Meta Front-End Developer Professional Certificate | Coursera / Meta

Issued December 2024

- **Specialized Training:** Advanced **React.js** patterns, **UX/UI Design Principles**, Version Control (Git), and **Front-End Performance Optimization**.

Meta React Native Professional Certificate | Coursera / Meta

Issued December 2024

- **Technical Focus:** Cross-platform mobile development (iOS/Android) using **React Native**, **API Integration (Axios)**, **Local Persistence (AsyncStorage)**, and **Geolocation (Maps API)**.

Data Science & Machine Learning Program | BrainStation

July 2024 – September 2024

- **Core Competencies:** Data Analysis with **Python (Pandas/NumPy)**, **Relational Database Management (MySQL)**, and implementation of **Machine Learning** models for predictive analytics.