Marco Antonio Romero Vázquez

Frontend architect

CONTACT

Phone: +52 55-4839-5756
Email: yosoymarco3@gmail.com

Address: Benito Juárez, CDMX.

DESCRIPTION

Frontend Architect with experience in the design, development, and standardization of modular web application ecosystems.

Eager to continue learning and mentoring within the web development environment.

With 5+ years of software development experience and recent leadership responsibilities, I have led the definition of scalable architectures based on React, Vite, and Module Federation, promoting component reuse, shared libraries, and best practices in performance, security, and maintainability.

Always focused on extending product life cycles and delivering projects on time.

PROFESSIONAL EXPERIENCE

Frontend Architect at Grupo Salinas | Jun, 2025 – Present

During this period, I was responsible for the entire architecture layer. My main duties included improving website performance and loading times, ensuring code quality through automated processes, mentoring developers on technical challenges, designing solution architectures, and ensuring the scalability and security of the software.

- Optimized existing system loading times by 300% through bundle size compression.
- Automated a performance auditing tool to evaluate accessibility, SEO, and best practices during deployment.
- Developed a semantic audit tool to analyze the codebase and detect structures that could lead to security vulnerabilities, bugs, or data leaks — also executed automatically at deployment time.

Frontend Developer at Grupo Salinas | Jun, 2024 – Jun, 2025

- Developed, tested, and maintained a self-service loan application platform following best practices under tight deadlines.
- Worked with Vue, React, OAuth, Python, and other technologies, all running on AWS CloudFront and deployed through CI/CD pipelines.

Frontend Developer at Zendesk | Jan, 2024 – Jun, 2024

- Developed and implemented sidebar apps, help centers, and ZIS flows for multiple international brands simultaneously, using both Zendesk's internal tech stack and standard web technologies.

Frontend Developer at Grupo CSI | Nox, 2022 – Dec, 2023

- Transformed UX/UI designs into fully responsive, mobile-first websites following SCRUM methodology.
- Worked primarily with Vue.js, maintaining strong communication with team members to efficiently integrate and deliver components within project timelines.

Full Stack Developer at Axsis Tecnología | Jun, 2022 – Oct, 2022

- Developed and implemented custom software solutions for multiple projects based on prior analysis.
- Handled frontend and backend challenges using React, Angular, and Node.js, adapting quickly to new technologies under pressure.

Full Stack Developer at FES Acatlán | Feb, 2020 – Jun, 2022

Member of the FES Acatlán development team, in charge of developing institutional systems. Since we were a small team I worked as frontend, back end or even designing depending on what was needed in each project.

EDUCATION

Universidad Nacional Autónoma de México | 2018–2022
Applied Mathematics and Computing

TECHNICAL STACK

Frontend

- Frameworks & Libraries: React 18, Vue.js, Angular, Vite, TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS
- Architecture: Micro-Frontends with Module Federation, React Context API, Custom Hooks, Component-driven design
- UI Libraries & Components: PrimeReact, Material UI, Styled Components, internal libraries
- Performance & Optimization: Lighthouse CI, Vite/Webpack bundle analysis, Tree-shaking, Code splitting, Brotli compression

Testing & Code Quality

- Testing: Jest, React Testing Library, Cypress
- Automated Auditing: Lighthouse CI (Performance, Accessibility, SEO, Best Practices)
- Static Analysis: Semgrep (Security, best practices, and risky pattern detection)

Security

- Encryption: RSA / AES-GCM (custom library: librería-seguridad-cifrado)
- Authentication & Authorization: OAuth 2.0, JWT, AWS Cognito
- Data Protection: Encrypted Persistent Contexts, automatic validators

DevOps y CI/CD

- Integration & Deployment: Jenkins, GitHub Actions, Docker, AWS CodeBuild
- Cloud Infrastructure & Services: AWS (CloudFront, S3, Parameter Store, Secrets Manager)
- Pipeline Analysis: Automated Semgrep + Lighthouse CI audits at deployment time

Backend y Communication

- Languages & APIs: Node.js, Python, RESTful APIs, WebSockets
- Tools: Express.js, FastAPI (for lightweight services)
- Integrations: Local device services (MagTek, Device Manager, Topaz, physical peripherals via REST)

Tools & Ecosystem

- Version Control: Git, GitHub, Bitbucket
- Package Management: npm, pnpm, Yarn
- Project Management: Jira, Confluence, Notion
- Methodologies: SCRUM / Agile
- Monitoring & Maintenance: Browser DevTools, Chrome Performance Profiler, AWS Logs

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LANGUAGES

Spanish
Native

English
Fluent