

Manuel Alejandro Uicab Tzec

Software Engineer — Frontend Technical Reference

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PROFESSIONAL SUMMARY

Frontend Engineer with 8 years building and scaling business-critical React platforms. Technical reference for a 4-person frontend team at Innovaforce, owning architecture decisions for platforms serving 20+ dealer agencies. Cut production errors by 60% through testing and CI/CD practices, and designed the internal architecture standard adopted company-wide.

EXPERIENCE

Innovaforce — Software Engineer

Oct 2018 – Present

Technical reference for a 4-person frontend team

- Serve as the technical reference for a 4-person frontend team working in Scrum-based sprints, without a formal title change; resolve complex implementation problems and guide architecture decisions.
- Designed and built the frontend for an automotive credit management platform used by 20+ dealer agencies submitting 1–3 credit requests/day, each covering 1 to 100+ units — including per-actor permission/state control, credit-type-specific business rules, and digital-signature integration via webhooks with an external provider.
- Built the frontend for a multi-audience asset auction platform (admin panel + bidder portal) on a shared codebase, including a two-column view with state shared across dynamically-typed asset details (vehicles, real estate, general goods).
- Leading a full architecture and UX rebuild of the internal task-management tool (in progress) — replacing a per-view N+1 query pattern with a global data-fetching model while shipping new functionality in parallel.
- Refactored legacy JavaScript modules, introduced unit/integration testing (Vitest, Playwright), and set up CI/CD with GitHub Actions — cutting production errors by 60%.
- Designed and maintain the company's internal React architecture standard (Screaming Architecture + Vertical Slices, since 2023), adopted by the full frontend team across the company's React projects — defining conventions for routing, state management (Zustand, Context API), component organization, and styling.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL

Frontend: React, Astro, TailwindCSS, Zustand, Context API

Backend & APIs: Node.js, .NET, REST APIs, Nest

Databases: PostgreSQL, SQL Server, MySQL

Testing: Vitest, Playwright

Tools & DevOps: Git, GitHub Actions (CI/CD), Docker

Methodologies: Scrum, Agile, SOLID principles, TDD, Code Reviews.

EDUCATION

Bachelor's Degree in Computer Systems Engineering — Instituto Tecnológico Superior de Calkiní (2013 – 2018)

LANGUAGES

Spanish — Native

English — Professional technical reading/writing proficiency; spoken fluency in active development through ongoing coursework.