

Alek Ortiz

Full-Stack Software Engineer

aleksebastian@outlook.com | 512-695-8483 | <https://aleksebastian.dev> | Austin, TX

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 5+ years of experience building performant, scalable, and user-focused applications using React, TypeScript, and Node.js. Experienced in delivering end-to-end solutions that bridge frontend usability with robust backend architecture. Adept at collaborating across disciplines, improving developer workflows, and building secure, responsive, and accessible applications that drive measurable business outcomes.

Optimum, Remote | May 2022 – Present

Software Development Engineer I

- Architected and implemented the mobile sales platform, scaling to 623K mobile lines and driving 35% YoY growth, the strongest mobile year on record.
- Architected centralized Role-Based Access Control (RBAC) for routes and UI components, combining client and server validations to deliver secure, consistent user experiences and scalable authorization patterns.
- Reduced dependency package vulnerabilities by 80%+ and stabilized CI performance through dependency migration, strengthening security posture and enabling future framework upgrades.
- Refactored a desktop-only web application for mobile responsiveness; implemented grid restructuring and breakpoints to enhance cross-device usability.
- Authored onboarding docs and streamlined local setup, allowing the frontend to run independently from backend; reduced onboarding time and minimized knowledge silos.
- Facilitated agile ceremonies (sprints, backlog refinement, stand-ups) in the dev manager's absence, achieving 60% backlog reduction in 3 months and maintaining on-time delivery.

Software Engineering Applications, Dec 2020 - July 2021

Full-Stack Software Engineer

Microservices:

- Designed and integrated React-based UIs and REST APIs for Photos and Checkout microservices, enabling cross-service communication and cohesive platform experiences.
- Established a modular styling system with styled-components to standardize UI composition and ensure conflict-free, scalable frontend development.
- Automated test coverage with Jest and Enzyme, validating UI state transitions and preventing regressions during iterative deployments.
- Delivered performant, reusable microservices (React, Node.js, MongoDB) deployed via CI/CD for maintainable, production-grade frontend delivery.

Back-end system design:

- Engineered and deployed a horizontally scalable backend architecture, boosting throughput 26x ($\approx 3.4 \text{ k RPS} < 500\text{ms}$ latency) via Redis (LFU caching), CouchDB, and NGINX micro-caching.
- Reduced average read latency to less than 50ms and achieved 0% error rate under stress, optimizing data access patterns and implementing targeted Redis caching layers.
- Deployed containerized services to AWS EC2 with a CI/CD pipeline for consistent, repeatable releases.
- Benchmarked and profiled system performance (latency, throughput, error rate) using New Relic and Loader.io to validate scalability and reliability improvements.

Personal Projects, Aug 2021 – Present

Full-Stack Software Engineer

SetCount – June 2024 – Present

- Responsive fitness tracker built with SvelteKit and Firebase. Featuring real-time data persistence across devices, providing a frictionless tracking experience.

UX Designer Portfolio – Feb 2022 – Present (Site Maintainer)

- Designed and maintained a portfolio, ensuring WCAG-compliant accessibility and visual consistency across devices.

ACCENTURE, Austin, TX | Aug 2019 – April 2022

Provider Enrollment Specialist

- Maintained high accuracy and productivity while processing provider enrollment applications across multiple systems.
- Conducted user testing for a statewide Provider Enrollment platform by staging diverse application scenarios to identify frontend bugs and evaluate system stability.
- Improved system reliability by performing extensive end-to-end testing on the new Provider Enrollment and Management System (PEMS), helping ensure compliance with state contract requirements.
- Collaborated directly with clients to ensure a smooth rollout of the Vendor Drug Program project, contributing to a strong customer experience and system adoption.

EDUCATION

Hack Reactor (2021), Remote - ADVANCED SOFTWARE ENGINEERING IMMERSIVE PROGRAM

Austin Community College (2019), Austin, TX - ASSOCIATE OF SCIENCE IN BUSINESS ADMINISTRATION (AS)

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3, SQL, NoSQL

Frameworks/Libraries: React, Next.js, SvelteKit, Node.js, Express.js

Tools: Git, Playwright, Jest, Vitest, GraphQL, REST APIs, AWS, GCP, Firebase

Practices: CI/CD, Accessibility (WCAG, ARIA), Performance Optimization, Responsive Design