

Roger Sandoval

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Software engineer experienced in building, maintaining, and architecting scalable, secure web applications across enterprise environments. Leverages AI tools like Claude and Cursor to ship faster, increase margins, and reduce operational costs, with a strong background in frontend engineering, UI/UX, and cloud-based systems.

Summary of Qualifications

- UI/UX-focused software engineer contributing to large-scale enterprise platforms used by thousands of users; using **AI tools like Claude and Cursor** to ship secure, high-quality features faster in Agile environments.
- Experienced in **building enterprise-grade applications** with emphasis on performance, accessibility, and user experience across large, diverse user bases.
- Modernized legacy dependencies to eliminate security risks and improve application stability and maintainability.
- Implemented accessible UI components aligned with **WCAG 2.1 standards**.
- Integrated AI-assisted tooling into daily engineering workflows to accelerate development and feature delivery.

Technical Proficiencies

- **Frameworks & Languages:** Angular (v8–v21), TypeScript, JavaScript, HTML5, CSS3, C#, Python, jQuery, Vue.js, Svelte, Java, Node.js, React, Next.js
- **UI/UX & Design Tools:** SASS, Tailwind, Bootstrap, Figma, Sketch, Adobe Photoshop CS3+, skilled in crafting responsive and accessible interfaces
- **Backend & Databases:** SQL, PostgreSQL, MongoDB, Firebase, RESTful APIs, data modeling, API integration, and real-time application development
- **Cloud & DevOps:** Microsoft Azure, AWS, Azure DevOps, CI/CD Pipelines, adept at automating deployments and scaling production environments
- **Version Control:** Git, GitHub, Bitbucket, collaborative workflow experience in Agile and CI/CD ecosystems
- **AI & Developer Tools:** Claude, Cursor, Codex, GitHub Copilot, Visual Studio

Professional Experience

User Interface Engineer (November 2024 – October 2025)

UPMC Healthcare System

Pittsburgh, Pennsylvania

- Engineered and optimized frontend features for a large-scale internal CRM platform, improving performance, scalability, and user efficiency.
- Refactored and modernized Angular applications (v8–v18) to support long-term maintainability and growth.

- Resolved 100+ security and dependency issues, improving system stability and reducing operational risk while saving over \$100K in external tooling costs.
- Collaborated cross-functionally using Azure DevOps, CI/CD pipelines, and Agile practices to align engineering output with business goals.

Front-End / Angular Developer (April 2023 – June 2024)

GovWorks, LLC

Miami, Florida

- Migrated legacy AngularJS applications to Angular 17+, improving performance, scalability, and user engagement.
- Built secure, responsive UI components for high-traffic web applications handling sensitive user data.
- Translated complex UI/UX designs into production-ready, maintainable frontend code.

Freelance Web Developer (June 2022 – April 2023)

AR Development

San Antonio, Texas

- Designed and developed responsive websites and full CRUD web applications for small businesses using modern web technologies (AI tools as well).
- Worked directly with clients to translate business needs into functional, user-friendly digital solutions.
- Delivered scalable, maintainable codebases with a strong focus on usability and performance.

Full Stack Developer (December 2021 – May 2022)

The START Center for Cancer Care

San Antonio, Texas

- Led full website rebuild using Angular, improving usability and increasing patient engagement by 20%.
- Designed and implemented SQL databases for doctors and patients, ensuring secure and efficient data access, and enhanced security measures.
- Improved frontend and backend performance, reducing load times by 40% and lowering infrastructure costs.
- Redesigned web interfaces to improve accessibility and UX, increasing client satisfaction and sales by 30%; enhanced oncology presence for the region.

Education

Associate of Science in International Business Studies – San Antonio College

Certification

Full-Stack Web Development Certification – CodeUp