

Roger Sandoval
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Software Engineer experienced in building scalable, user-focused applications using modern web technologies, cloud services, and AI-powered tools. Skilled in AI-assisted development and software architecture, with experience delivering secure, reliable solutions in government and healthcare environments where data protection is critical.

Summary of Qualifications

- UI/UX-focused software engineer contributing to large-scale enterprise platforms used by thousands of users; using **AI tools like Claude Code and Codex** 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**.
- Built and launched SaaS products from concept to market.

Technical Proficiencies

- **AI/LLM:** OpenAI API, Anthropic API, RAG, AI Agents, MCP, Prompt Engineering
- **AI Development Tools:** Claude Code, Cursor, Codex, GitHub Copilot, Kiro
- **Frontend:** Angular (v8–v22), TypeScript, JavaScript, HTML5, CSS3, SCSS, Tailwind, Bootstrap, RxJS, PrimeNG, Angular Signals
- **Backend & APIs:** Firebase (Authentication, Firestore, Storage, Hosting), REST APIs, Node.js, PostgreSQL, Redis, Supabase
- **UI/UX & Design:** Figma, Sketch, Adobe Photoshop, Canva, Responsive Design, Accessibility, Wireframing, Prototyping, Mobile-First Design
- **Tools & Workflow:** Git, GitHub, Azure DevOps, VS Code, Docker, Agile Development, CI/CD, Documentation, AWS
- **Additional Experience:** React, Next.js, Vue.js, Svelte, Python, Java, C#, .NET

Professional Experience

Full-Stack Developer (February 2026 – August 2026)

Irys Technologies

San Antonio, Texas

- Built secure full-stack solutions for the U.S. Air Force FOIA program, improving request management workflows and reducing manual processing overhead.
- Utilizing AI-assisted development tools to accelerate software delivery, enhance code quality, and streamline secured CI/CD operations.
- Engineered a custom document redaction platform using Python, enabling secure and scalable processing of sensitive government records.

- Mentored computer science interns through the design and development of software projects.

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.
- 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.
- Refactored and modernized Angular applications (v8–v19) for maintainability.

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

GovWorks, LLC

Miami, Florida

- Migrated legacy AngularJS applications to Angular 17+, improving performance, scalability, and UX while reducing churn and increasing company profit margins.
- Developed secure frontend solutions for passport software to increase UX.
- Translated complex UI/UX designs into production-ready, maintainable 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 and AI tools.
- Worked directly with clients to translate business needs into functional, user-friendly digital solutions to help streamline their workflows.

Full-Stack Developer (December 2021 – May 2022)

The START Center for Cancer Care

San Antonio, Texas

- Led website rebuild using Angular 8+, increasing patient engagement by 20%.
- Designed and implemented SQL databases for doctors and patients, ensuring secure and efficient data access, and enhanced security measures.
- 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 – CodeUp