

SAM PEREZ

Full-Stack Web Developer

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EDUCATION

Certificate
Full Stack Web Development
University of California San Diego
📍 La Jolla, CA

Associates
Business Admin
MiraCosta College
📍 San Diego, CA

SKILLS

- Languages: JavaScript ES6+, CSS3, HTML5, Bootstrap, JQuery, Node.js, Express.js, Angular.js, React.js, Tailwind, Python, Typescript, LIT Web Components, Vue.js, Swift, Mdui3
- Databases: MySQL, NoSQL, MongoDB, Mongoose.js, Sequelize.js, Robo 3t, Microsoft Dynamics CRM, DynamoDB
- Tools: Visual Studio Code, AWS, Google Lighthouse, Git, GitHub, MVC, OOP, WordPress, React Native, Django, Selenium, Jest, Figma, Agile, SVN, Confluence, JIRA, Postman, MonoREPO, Apollo, Vite, Vitest, Storybook

WORK EXPERIENCE

Full-Stack Engineer

NextEra Energy

- 📅 2024 - 2025 📍 Juno Beach, FL
- Created an advanced front-end model that improved cost analysis efficiency, reducing estimation time by 50% for solar projects.
 - Engineered over 20 reusable web components using TypeScript, streamlining UI rendering and improving user engagement metrics by 15%.
 - Engineered an advanced testing framework using Vitest that produced thousands of unit tests in seconds, enhancing the Solar Estimating Team's efficiency.
 - Created optimized GraphQL methods, allowing solar estimators to generate custom API calls, reducing test execution time by 50%.

Systems Software Test Engineer II

Tandem Diabetes Care

- 📅 2022 - 2024 📍 San Diego, CA
- Led manual and automated testing initiatives for Tandem Mobile Bolus Technology, reducing testing time by 30% through efficient scripting.
 - Executed 200 software validation protocols, enhancing system efficiency by 12% and expanding test coverage across all levels.
 - Achieved a 96% defect detection rate by identifying and tracking software defects through closure alongside comprehensive test report documentation.
 - Spearheaded the test team's strategy development, achieving a seamless launch of Tandem Source Canada with 100% test coverage.

Systems Software Tester I

Tandem Diabetes Care

- 📅 2021 - 2022 📍 San Diego, CA
- Performed manual code assessments of digital health systems software in accordance with company software development lifecycles and FDA guidelines.
 - Executed and documented 100 manual performance software tests achieving 98% personal detection rate and 92% reduction in post-release defects across 15 projects.
 - Wrote 40 manual test cases to help migrate Tandem web based applications to React frameworks resulting in 100% detection rate over 4 projects.

Sole Author

Freelance Web Developer

- 📅 2019 - current 📍 Carlsbad, CA
- Developed full stack applications using industry-standard technologies, enhancing user engagement through improved UI/UX design.
 - Deployed or collaborated on over 20 web based applications with developers across the country.
 - Wrote reusable unit test documents to ensure quality control throughout applications.

Software Consultant

Global Flow Cycling

- 📅 2024 - 2025 📍 San Diego, CA
- Proposed customized software solutions to compare, capture, and track business metrics.
 - Managed a software team of 4, streamlining data collection processes and increasing completion rate insights by 40%.
 - Tracked project milestones through SCRUM related practices to capture project development progress.