Samuel Austin Perez

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EXPERIENCE

NextEra Energy, Juno Beach, FL   **2024-2025**
Full-Stack Engineer   **Remote, TX**

- Full stack developer working on front end web components utilizing LIT and Vite to create a front end Microsoft Excel equivalent application for NextEra's Solar Estimating Team.
- Created a front end model using advanced queries that dynamically compared cost data within DynamoDB and a custom Excel Spreadsheet used by the Estimation team for potential solar plant job sites.
- Utilized advanced TypeScript practices paired with VITE to build out over 20 custom web components that were used to render the UI for company based web applications
- Implemented a new testing framework that could create thousands of unit tests comparing complex custom cost formulas used by the Solar Estimating Team within seconds.
- Developed advanced query methods using GraphQL to make custom API calls through our database allowing solar estimators to run their own custom tests that would render live in a browser window.

Tandem Diabetes Care, San Diego, CA   **2022-2024**
Systems Software Tester II   **Remote, TX**

- Led test case design, manual testing efforts, automation test case scripting, and validation effort planning for Tandem Mobile Bolus Technology, Tandem Portal React Migration, US launch of Tandem Source Platform, Canadian Launch of Tandem Source Platform
- Executed 200 software validation protocols on System, Integration, and Regression levels increasing systems R&D efficiencies and coverage by 8%
- Identified and tracked software defects through to closure while maintaining and drafting written documentation of project test reports to engineering teams resulting in 96% defect detection rate
- Led a test team in implementing high level test strategies for the launch of Source Canada

Tandem Diabetes Care, San Diego, CA   **2021-2022**
Systems Software Tester I   **Remote, TX**

- Preformed manual code assessments of digital health systems software in accordance with company software development lifecycles and FDA guidelines
- Performed and documented 100 manual performance software tests that resulted in 98% personal detection rate and 92% reduction in post-release defects across 15 projects.
- Wrote 40 manual test cases to help migrate our Tandem web based applications to React frameworks resulting in 100% detection rate over 4 projects.

JW Installations   **2019-2021**
Software Consultant   **San Diego, CA**

- Proposed customized software solutions to compare, capture, and track business metrics.
- Constructed and oversaw a small software team of 4 individuals that were tasked with capturing analytical data on job site cost factors, completion rate, revenue management and billing practices.
- Began development on a highly scalable web application using React, Postgres, Material UI, and Playwright.
- Tracked project milestones through SCRUM related practices to capture project development progress

Freelance Web Developer   **2019-Present**
Sole Author   **Carlsbad, CA**

- Created visually appealing front end and back end full stack applications using industry standard technologies
- 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

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TECHNICAL SKILLS

Languages: JavaScript ES6+, CSS3, HTML5, Bootstrap, JQuery, Node.js, Express.js, Angular.js, React.js, Python, Typescript, LIT Web Components, Testing Libraries, Vue.js, Spring.js, Swift, Mdui3
Databases: MySQL, NoSQL, MongoDB, Mongoose.js, Microsoft SQL, Sequelize.js, MySQL Workbench, 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, AlphaTech, Vite, Vitest, Storybook Component Testing,

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EDUCATION

Certificate, Full Stack Web Development – University of California San Diego   La Jolla, CA
Associates, Business Admin and Management – MiraCosta College   Oceanside,CA