Forest Welch

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Fullstack Software Engineer with 4+ years of experience delivering intuitive, user-focused applications. Known for clear communication, collaboration, and assisting teams in delivering seamless solutions.

EXPERIENCE

Self-Employed   San Francisco, CA
Various   March 2024 - August 2024

- Enhancing SEO, UX, and page load times for small business websites.
- Providing career guidance and mock interviews for full-stack development bootcamp graduates.
- Building an esports bracket management tool to streamline events with automated score reporting.

BuildVision   San Francisco, CA
Software Engineer (Contract)   November 2023 - April 2024

- Spearheaded initial app views and reusable UI components using Next.js.
- Enhanced data management and API interactions through RTK Query, improving UI performance with caching, search filters, and inline editing.
- Developed a rapid component specification tool to streamline admin actions.

Autodesk (Formerly BuildingConnected)   San Francisco, CA
Software Engineer   August 2018 - January 2022

- Directed a localization and internationalization initiative, expanding into Oceania and doubling the user base. Implemented a centralized translation system using react-i18next, ensuring consistent localization across all apps and services.
- Authored an org-wide React component library, reducing library size by ~30% while doubling functionality. Unified disparate component libraries with styled-components and documented props, usage, and design principles at design.buildingconnected.com.
- Rebuilt internal tools from the ground up and migrated UI from Angular to React, saving the Customer Success team 20 hours per week. Fixed critical date picker bugs, ensuring contract compliance and protecting $1.5M in revenue.
- Built a UserEvents tracking system and conducted A/B testing with LaunchDarkly, improving customer onboarding and product metrics via Mode Analytics.
- Streamlined the frontend CircleCI pipeline, reducing build and deployment times by 50%.
- Managed the frontend interview process, mentored new hires, and organized pair programming and wellness activities during COVID-19.

EDUCATION

App Academy   San Francisco, CA
Fullstack Engineering   2018

University of Pennsylvania   Philadelphia, PA
B.A. in Linguistics, minor in Deaf Studies   2012 - 2016

SKILLS

Proficient: JavaScript, React, Next.js, Redux, Node.js, MongoDB, Git, CircleCI, LaunchDarkly
Familiar: TypeScript, React Native, Angular, PostgreSQL, Docker, Heroku, AWS, Elastic Cloud, Snowflake, Redis, Mongoose, GraphQL, Jest, Cypress, Ruby on Rails, Webpack, jQuery