VIVIAN DICKERSON

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Design Systems Front-End Engineer with expertise in web development and design. Possess strong user-centered engineering skills and deep knowledge of web accessibility standards. Dedicated to continuous improvement by delivering industry leading digital experiences that are visually consistent, functionally reliable, and equitable for all users.

Skills

JavaScript/TypeScript, HTML, CSS/SASS, React, Next.js, Lit, Web Components, Redux, NodeJS
Storybook, Jest, Testing Library, Vitest, Cypress, Webpack, Vite
Web accessibility standards (WCAG 2.1, W3C)
Responsive user-centric design, Figma, design thinking, user research
Git, CI/CD, NX, Lerna, PNPM, project versioning and release
Roadmap planning, mentorship, Agile development practices, strong interpersonal skills

Work History

American Airlines – Fort Worth, TX, 09/2023 to Current
Senior User Experience Engineer
- Lead design systems engineer on a team of 6 to transition component library from Lit to React & Angular
- Established technical standard of development focusing on web accessibility and bolstered adoption rate
- Expanded design system to encompass both customer facing and employee facing digital channels
- Evangelized for reusable code and foundational styles to expedite delivery and improve consistency
- Initiated technology modernization effort for front-end environments to reduce technical debt, resulting in 31% of commercial applications closing security vulnerabilities
- Led quarterly training for developers/designers on design systems & met twice weekly for dedicated support
- Created component guidance documentation and automated component testing for reliability
- Authority over code reviews, release cycle, and publishing JavaScript packages for external consumption

USAA – San Antonio, TX, 06/2018 to 09/2023
Software Engineer
- Intermediate software engineer on design system team of 7 web developers and 5 designers
- Developed UI elements for library that comprised of over 100 patterns and components utilized by 150 design and development teams in the U.S.
- Contributed articles to component guidance wiki collection and automated component tests to ensure functionality, accessibility, and stylistic consistency
- Created automated quality plugins for developer workflow to reduce tech debt and improve code compliance
- Co-led code maintenance and release cycle and aided in establishing brand presentation standards for frontend digital experiences
- Partnered quarterly with IT onboarding to train design system usage and web accessibility
- Led internal business group events for new hire developers to build networks and onboard to company

Education

BS, Computer and Electrical Engineering, Texas A&M University - College Station, TX 05/2019