

Khushwant Parihar

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Detail-oriented Accessibility QA Engineer ensuring compliance of web and mobile applications with accessibility standards.

EXPERIENCE

FIS Global

June 2022 – Present

Software Test Analyst - 1

Bengaluru, India

- Conducted Section 508/WCAG 2.1/2.2 audits for 30+ web and mobile apps in React, Ionic, Angular, and Vue.js, identifying barriers and recommending compliance solutions via JIRA logging.
- Collaborated with design and development teams to integrate accessibility into the product lifecycle, resulting in a 50% increase in overall accessibility scores.
- Implemented accessibility-focused frontend strategies like ARIA landmarks, semantic HTML, and optimized keyboard navigation, achieving a 40% performance boost. Improved accessibility scores and Google rankings.

Bharat Forge

Feb 2021 – Oct 2021

Research and Development Intern

Pune, India

- Implemented predictive maintenance solution with real-time dashboard using Node.js, React, Express, PostgreSQL; improved asset reliability by 25%, projected to save \$5-6M annually.
- Engineered and launched an automated oxygen delivery device prototype for COVID-19 patients within a 2-week timeframe, integrating 1500+ lines of Arduino code and optimizing oxygen flow efficiency by 40%.

PROJECTS

AccessibleWeb Tracker (Accessibility Testing Dashboard)

- Developed a comprehensive dashboard for tracking accessibility compliance of web applications using React and Node.js.
- Enabled tracking of 1000+ accessibility issues across multiple projects, improving issue resolution time by 35%.
- Enhanced team collaboration, resulting in a 20% increase in overall accessibility compliance rates.

Mobile App Accessibility Enhancements (Banking Application)

- Led a project to enhance accessibility features of an existing mobile application using Ionic framework.
- Improved screen reader compatibility and color contrast, increasing user satisfaction by 25%.
- Added voice control functionality and achieved compliance with WCAG 2.1 standards, resulting in a 15% increase in app usability for visually impaired users and a 50% reduction in accessibility-related user complaints.

SKILLS

Languages: JavaScript, Python, Java, C++

Frameworks: React, Redux, Node.js, Angular, Ionic, Vue.js

Tools: GitHub, Jira, TestLink, Selenium, Axe, NVDA, JAWS

Other: Agile Methodologies, Git, DevOps

Extra Skills: Written and Verbal Communication Skills, Software Documentation, Microservices, Disability Inclusion, WAI-ARIA, Innovative, Providing Feedback, Android, iOS

CERTIFICATIONS

Section 508 Trusted Tester | Department of Homeland Security (DHS)

Android App Development: Accessibility | LinkedIn Learning

iOS App Development: Accessibility | LinkedIn Learning