

YASH GUPTA

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Professional Summary

Accessibility-focused Frontend Engineer with 2.5 years of experience developing inclusive, performant, and scalable web applications. Led a full **accessibility overhaul** to meet **WCAG 2.2** compliance, integrating **accessibility testing, remediation, and ARIA best practices** into the development lifecycle. Skilled in **manual and automated accessibility testing, VPAT review, and assistive technology** evaluation across multiple platforms. Collaborates closely with **designers, developers, and QA teams** to ensure accessible, consistent, and maintainable UI experiences. Proficient in **React** and **Vue** with a strong foundation in **HTML5, CSS, and JavaScript** for building user-centric, standards-compliant interfaces.

Technical Skills

Accessibility Standards: WCAG 2.1, WCAG 2.2, ADA, Section 508, EN 301 549, WAI-ARIA

Accessibility Testing: Manual testing, Automated testing, AXE, WAVE, Lighthouse, Accessibility Insights, ARC Toolkit, NVDA, JAWS, VoiceOver, TalkBack, screen magnifiers, keyboard-only navigation testing

Assistive Technologies: Screen readers (NVDA, JAWS, VoiceOver), keyboard navigation, and speech recognition tools

Frontend Development: ReactJS, Vue.js, Svelte, JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS, Bootstrap, Tailwind CSS

Testing & QA: Jest, Playwright, JIRA, Postman, REST API validation, browser debugging tools

Accessibility Documentation: VPAT (Voluntary Product Accessibility Template), ACR reports, Accessibility audits, Accessibility conformance testing

Collaboration Tools: Git, GitHub, GitLab, Figma, Notion, Slack

Cloud & Dev Tools: AWS, MongoDB Atlas, Node.js, Express.js, VS Code, Chrome DevTools

Soft Skills: Cross-functional collaboration, Accessibility advocacy, Problem-solving, Attention to detail, User empathy, Agile/Scrum methodologies

Work Experience

Zeus Learning

Jun 2023 – Present

Software Engineer – Frontend & Accessibility

Mumbai, India

Test Maverick – AI-Powered Online Assessment Platform

- Led the complete **accessibility overhaul** of the platform, ensuring full **WCAG 2.2** compliance across user flows and interactions, transforming it into an inclusive product usable by people with diverse abilities.
- Owned accessibility implementation within the frontend codebase, applying **semantic HTML**, appropriate **WAI-ARIA roles, focus management**, and **keyboard navigation patterns** for consistent assistive technology support.
- Integrated **accessibility testing** into the development workflow using tools like **Axe, Accessibility Insights**, and **Lighthouse** alongside manual testing with **NVDA, JAWS**, and **VoiceOver**.
- Worked closely with design and QA to audit, test, and remediate color contrast, form labeling, tab order, and dynamic content visibility issues.
- Developed reusable **accessible components** and patterns that became part of the team's design and code standards, reducing repetitive accessibility fixes in future sprints.
- Documented **accessibility guidelines**, created **test checklists**, and contributed to the product's **VPAT/ACR documentation**, improving compliance visibility across teams and clients.
- Resolved over **400 accessibility and frontend issues**, cutting the backlog by 75%, improving accessibility audit scores, and increasing QA pass rates across major releases.
- Collaborated with the QA team to define **accessibility acceptance criteria** for user stories, ensuring accessibility verification became part of the release process.
- Advocated **accessibility-first development**, mentoring peers and conducting short internal sessions to spread awareness of inclusive design and testing techniques.
- Continuously improved user interactions and focus states, simplifying navigation and enhancing the experience for **screen reader** and **keyboard-only** users.

Education

Shree L.R. Tiwari College of Engineering

Aug 2019 – May 2023

Bachelor of Engineering (B.E.) – Information Technology

Thane, India

Mumbai University — CGPA: 8.33 / 10.0