Yashwanth Varma

Frontend Engineer | Design Systems & Accessibility
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Summary

Frontend engineer with 3 years building accessible, high-performance React and Next.js apps for banking and insurance clients. Built a 35+ component design system adopted by 2 teams and took critical accessibility violations from 40+ to zero. Author of Meridian, an open-source, WCAG-tested React component library.

Experience

Genpact Hyderabad, India
Frontend Developer – Banking & Insurance Client Programs *Nov 2023 – Present*

Banking Operations App *React, TypeScript, Redux Toolkit*

- Architected React routing, Redux state management, and reusable form workflows for a banking operations platform serving 1,200+ users.
- Cut dashboard load 40% (4.2s → 2.5s) and raised Lighthouse from 58 to 91 via route-level code splitting and memoized rows.
- Batched and cached dashboard API calls with RTK Query, reducing requests per page load from 14 to 5.
- Migrated 20+ class-component screens to Hooks and slices, extracting shared custom hooks.

Insurance Claims Portal *Next.js, TypeScript, Tailwind CSS*

- Owned the portal end to end for 500+ daily users: SSR pages, data tables, document uploads and E2E tests.
- Built a multi-step claim form with React Hook Form and Zod validation, cutting incomplete submissions 30%.

Frontend Platform & Accessibility *Storybook, MUI, Figma, axe-core*

- Built a 35+ component library from Figma specs, adopted by 2 teams, cutting new-screen build time 35%.
- Added automated accessibility gates to CI plus screen-reader reviews, taking critical violations from 40+ to zero.
- Ran a WCAG 2.1 AA workshop for 30+ engineers covering keyboard, focus and screen-reader testing.
- Mentored 2 engineers and reviewed PRs for a 6-person team, setting its Jest/RTL testing standards.

Projects

Meridian – Accessible React Component Library | GitHub | npm | Docs 2026 – Present
TypeScript, React, React Aria, Style Dictionary, Vitest, Playwright

- Published 31 accessible components to npm, including a virtualized DataTable.
- Built light, dark and high-contrast themes from design tokens as CSS variables, switched with zero re-renders.
- Zero axe violations across all stories and themes; WCAG contrast verified for every color token pair.
- 94% unit test coverage, plus keyboard and visual regression tests on every PR.
- Ships at 15.3 kB gzipped (peer deps excluded), enforced by per-component size budgets in CI.

Technical Skills

Frontend: TypeScript, JavaScript, HTML/CSS, React, Next.js, Redux Toolkit/RTK Query, Tailwind CSS
Design Systems: Storybook, Style Dictionary, Design Tokens, React Aria, Material UI, Figma
Testing & Accessibility: Jest, Vitest, React Testing Library, Playwright, axe-core, WCAG 2.1 AA, NVDA, VoiceOver
Performance & Tools: Core Web Vitals, Lighthouse CI, Vite, Git, GitHub Actions, Changesets, Jira

Education

KL University Hyderabad, India
B.Tech in Electronics and Communication Engineering *Aug 2019 – Mar 2023*