HARIKA YEDIDI

Personal Website | Seattle, WA | LinkedIn

PROFESSIONAL SUMMARY

Software engineer with 10+ years of experience building scalable web applications, cross-platform UI architecture, design systems, and developer tooling. Deep expertise in React, TypeScript, reusable component systems, accessibility, and frontend architecture. Experience developing AI-assisted engineering workflows, MCP server infrastructure, and automation to improve developer productivity. Strong background in cross-functional collaboration, engineering standards, and maintainable software across teams and platforms.

EXPERIENCE

Microsoft — Senior UX Engineer | Redmond, WA | 2022–Present

- Drive architecture and development of the Xbox Design System, supporting reusable UI experiences across web, mobile, Windows, and console platforms.
- Own and evolve shared component libraries, establishing reusable patterns that improve consistency, maintainability, and developer experience across partner teams.
- Built MCP server infrastructure and AI-assisted agent workflows to streamline design system support, improve developer workflows, and accelerate component adoption.
- Define engineering standards, component architecture patterns, and cross-team development practices that strengthen design-to-development alignment.
- Partner with designers and engineers to translate complex product requirements into accessible, production-ready component APIs and UI systems.
- Established CI/CD pipelines and automated package release workflows using Azure DevOps.
- Contribute to reusable motion systems and animation patterns, including accessibility considerations and framework evaluation.

Viome — Senior Front-End Engineer | Bellevue, WA | 2020–2022

- Developed reusable web and mobile components using React and React Native, supporting consistent experiences across platforms.
- Modernized web applications using React, Next.js, and Shopify integrations.
- Led CI/CD automation initiatives to improve development and deployment workflows.

LI-COR Biosciences — Full Stack / Front-End Developer | Lincoln, NE | 2015–2020

- Developed customer-facing SaaS applications and configuration platforms using React, Svelte, and Django.
- Collaborated with UX, product, and engineering teams to deliver scalable web applications and intuitive user experiences.
- Improved application performance, accessibility, SEO, and cross-browser compatibility.

TECHNICAL SKILLS

Languages & Frontend: TypeScript, JavaScript, React, React Native, Next.js, HTML, CSS, Tailwind CSS, Svelte

Architecture & Design Systems: Component APIs, Cross-Platform UI Architecture, Design Tokens, Accessibility (WCAG), Motion Systems, Reusable Component Libraries

AI & Developer Tooling: MCP Servers, AI-Assisted Development, Agent Workflows, GitHub Copilot, OpenAI APIs

Backend & Integration: Node.js, Django, REST APIs, API Integration

Engineering Infrastructure: CI/CD, Azure DevOps, Git, CircleCI, Sentry, Figma, Jira

EDUCATION

M.S. Computer Science — New York University Tandon School of Engineering | 2013–2015

B.Tech Computer Science & Engineering — Jawaharlal Nehru Technological University | 2009–2013