

Renée Cho Staff Front-End Developer

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PROFILE SUMMARY

- Staff-level Front-End Developer with 10 years on enterprise apps at Microsoft and Tableau, leading front-end architecture across teams, design-system adoption, and performance work for admin and analytics products.
- Sets standards for languages (TypeScript), UI (React, Fluent UI), data (Redux Toolkit, TanStack Query, GraphQL), testing (Playwright, Jest), builds (Nx, Azure Pipelines), and real-user data (Application Insights).
- Expert in monorepo design, INP and long-task fixes, and accessibility at scale, writing design docs and RFCs that let 9 teams ship to one product without breaking each other's screens.
- Works with Fluent UI design leads, product managers, and service owners, runs the monthly front-end architecture review, and agrees on API contracts with back-end teams before either side writes code.
- Coaches 6 senior engineers, built the admin center's front-end interview loop and onboarding path, and gives talks on web performance at Microsoft's internal engineering conferences.

TECHNICAL SKILLS

Languages & Markup:	TypeScript (strict), JavaScript, HTML5, CSS3, Sass
Frameworks & Meta-Frameworks:	React 18, Fluent UI React v9, Next.js, Module Federation, Web Components
State & Data Fetching:	Redux Toolkit, TanStack Query, Apollo Client, GraphQL, REST, OData
Styling & Design Systems:	Fluent UI design tokens, Griffel (CSS-in-JS), Storybook, Figma, theming
Testing & QA:	Jest, React Testing Library, Playwright, visual regression, contract tests
Performance & Accessibility:	Core Web Vitals, long-task profiling, Lighthouse CI, WCAG 2.2 AA, Accessibility Insights, NVDA, JAWS
Build, CI & Monitoring:	Nx, pnpm workspaces, Webpack, Vite, Azure Pipelines, ESLint, Application Insights

EDUCATION

University of Washington	B.S. in Computer Science	Seattle, WA · Sep 2012 to Jun 2016
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WORK EXPERIENCE

Microsoft	Principal Software Engineer	Redmond, WA · Mar 2021 to Present
• Moved 9 teams in the Microsoft 365 admin center onto shared Fluent UI React v9 components with clear module boundaries, removing about 140,000 lines of duplicate UI code. • Led INP work across the admin center's busiest pages, breaking up long tasks, deferring third-party scripts, and setting per-team budgets in Application Insights, cutting p75 INP from 380ms to 170ms. • Merged 23 front-end packages into one Nx monorepo with remote caching and affected-only Playwright runs in Azure Pipelines, cutting pull request builds from 41 minutes to 12. • Made Accessibility Insights and axe checks required on every pull request, plus quarterly NVDA and JAWS reviews, cutting open WCAG 2.2 AA bugs from 312 to 27. • Ran the monthly front-end architecture review with Fluent UI design and product leads, and coached 6 senior engineers on cross-team design docs, 2 of whom have since been promoted to principal.		
Tableau (Salesforce)	Senior Software Engineer	Seattle, WA · Aug 2016 to Feb 2021
• Rebuilt web authoring state in Redux Toolkit with normalized sheets and a command history for undo and redo, cutting authoring crash reports in Tableau Online by 58%. • Built the data source and lineage pages on Tableau's REST API and GraphQL Metadata API, with paged loading, retries, and clear error states, cutting related support tickets by 34%. • Set up visual regression tests for every Show Me chart type with Storybook and Jest image snapshots in CI, catching 19 rendering bugs ahead of release during its first year.		