Ryan Lynch

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Professional Summary

Frontend-focused Software Engineer with 4 years delivering **complex React/TypeScript interfaces**, leading **accessibility transformations**, and building **high-quality, test-driven UI features** at Microsoft. Experienced in **Next.js**, **state management**, **dynamic forms**, and **cross-geo collaboration**. Strong product instincts, proven ownership, and a track record of raising engineering quality through **testing**, **accessibility**, and **developer tooling**.

Core Skills

- **Frontend:** React, Next.js, TypeScript, JavaScript, Zustand, React Query, MobX, Fluent UI
- **UI Engineering:** component architecture, dynamic forms, schema-driven UIs, Storybook
- **Accessibility:** WCAG 2.2, screen reader testing, design reviews, a11y linting, inclusive UI
- **Testing:** Jest, React Testing Library, Storybook, a11y testing, CI pipelines
- **Fullstack:** Next.js API routes, Supabase, SharePoint/ODSP integration, JSON schema design
- **Tooling:** Webpack, Vite, Tauri, browser extensions, VS Code/Obsidian plugins
- **Collaboration:** triad model (PM/Design/Eng), cross-geo teams, mentoring

Professional Experience

Microsoft – Software Engineer
2022 – Present | Dublin, Ireland

AI & Fullstack Engineering – OneDrive & SharePoint
2024 – Present

- Built **multi-step dynamic forms** with conditional logic, API-driven validation, and robust error handling for a new SharePoint AI provisioning experience.
- Designed and implemented **schema-driven workflows** to improve reliability and predictability of AI-powered provisioning.
- Introduced Jest testing from scratch, raising coverage from **0% to 95% unit** and **98% branch**, catching schema-breaking regressions early in CI.
- Collaborated with PM and Design through rapid **POCs and prototypes** to shape product direction and engineering scope.

Frontend Engineering – Microsoft Teams (Shifts)
2022 – 2024

- Delivered major UI features across a **large, virtualised scheduling in**terface used by **2M+ monthly active users**.
- Built complex flows including filtering, feedback, and time-off approval across a custom React/TypeScript codebase.
- **Led a full accessibility overhaul**, reducing a backlog of **300+ issues to zero**, cutting regressions from 5-10 per sprint to 1-2 low-severity issues.
- Guided ~20 engineers as the **accessibility domain expert**, providing design reviews, PR feedback, and hands-on debugging support.
- Delivered a **cross-org talk** to **40-50 engineers** on tackling large accessibility backlogs, covering prioritisation, testing, and bug-grouping strategies.

Accessibility Leadership (Teams & ODSP)

- Drove Shifts to achieve the **highest internal accessibility grade** in Microsoft's Experiences & Devices division.
- Authored internal documentation on accessibility best practices and testing workflows.
- Mentored new graduate engineers through pairing, code reviews, and onboarding support.

Selected Projects

- **Traitors Game (Next.js + Supabase)** - Real-time multiplayer game tool for 10–20 players; handled voting, round progression, traitor actions, and win logic. Used multiple times with excellent feedback on UI and usability.
- **Edge Extension for Azure Repos** – ([Azure DevOps PR File Colors](#)) – Published extension improving PR review workflows by colour-coding truncated filenames; available in the Edge Add-ons store.

Tauri/Vite/React Desktop Utility – ([github.com/UniqueClone/countdown-app](#)) – Cross-platform countdown timer app packaged as a downloadable executable.

- **Mortgage Calculator (React + Fluent UI)** – ([onlinemortgagecalculator.ie](#)) – Custom calculator for Irish homebuyers with flexible "bring your own terms" inputs.

Open Source, Community & Leadership

- **Core maintainer** of [@microsoft/eslint-plugin-fluentui-jsx-a11y](#) - contributed for 3 years to an accessibility linting plugin for Fluent UI, improving rule coverage and developer experience.
- Disability Employee Resource Group - revamped resources, ran awareness sessions, advocated for inclusive engineering.
- Early-in-Career Committee - organised events and expanded community engagement.
- Google Developer Student Club Lead - ran workshops and technical sessions.
- CoderDojo Maynooth - taught programming weekly and mentored young learners.