

Ryan Lynch

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Professional Experience

Microsoft - Software Engineer

July 2022 – Present | Dublin, Ireland

AI & Fullstack Engineering – OneDrive & SharePoint

2024 – Present

Building AI-powered provisioning experiences for SharePoint.

- Define schemas, strengthen workflow reliability, and maintain high-coverage testing to ensure safe, predictable output.
- Explore and implement dynamic prompt-handling strategies to improve accuracy and adaptability.
- Collaborate with PM, Design, and engineering partners to deliver resilient, accessible, and secure AI-driven features.

Frontend Engineering – Microsoft Teams (Shifts)

2022 – 2024

Delivered enterprise-scale frontend features for frontline workforce scheduling.

- Built and refined complex UI components using React/TypeScript, improving usability and resilience for enterprise customers.
- Delivered features end-to-end under tight timelines, partnering closely with PM and Design.
- Led accessibility efforts, identifying critical issues early and embedding WCAG-aligned practices into the development workflow.

Accessibility Leadership (Teams & ODSP)

- Led a long-term initiative to achieve and maintain the **highest internal accessibility grade**, the first product in Microsoft Experiences & Devices to reach this level.
- Reduced a backlog of **hundreds of accessibility issues** to sustained compliance and usability.
- Identified release-blocking issues early, directly improving delivery timelines.
- Trained engineers and introduced tooling that embedded accessibility into everyday development.

Earlier Experience

Amazon Web Services — Software Development Engineering Intern

Feb 2021 – Sept 2021

- Developed canaries to monitor global AWS service health.
- Performed load testing on backend services to evaluate performance for global features.

SAP — Augmented Analytics Product Management Intern

Apr 2020 – Oct 2020

- Reviewed and improved customer-facing demos for SAP Analytics Cloud.
- Conducted competitive analysis of augmented analytics tools across the industry.
- Produced internal reports comparing SAP's Key Influencer features with Power BI.

Oracle Digital — Digital Advocate Intern

Jun 2019 – Apr 2020

- Researched and promoted emerging technologies to developers and the public.
- Curated technical content and supported developer outreach initiatives.
- Took on development and organisational tasks across the team.

Community & Leadership

- **Disability Employee Resource Group (Microsoft)** — Revamped SharePoint resources, organised awareness sessions, and advocated for inclusive engineering practices.
- **Early-in-Career Committee (Microsoft)** — Hosted events and expanded community engagement across Microsoft Ireland.
- **Intern Interviews (Microsoft)** — Participated twice in yearly interview cycles for summer and placement interns.
- **Google Developer Student Club Lead** — Organised workshops and technical sessions for students.
- **CoderDojo Maynooth — Lead Demonstrator** — Taught programming weekly and mentored young learners.
- **Maynooth Access Programme (MAP)** — Head Ambassador & Technology Coordinator; Access Champion of the Year 2020.
- **Student Leadership** — Multiple elected roles including society president, events officer, and student senator.

Technical Skills

- **Frontend:** React, JavaScript, TypeScript, Fluent UI, Storybook, Webpack
 - **Accessibility:** WCAG 2.2, screen reader/voice control testing, inclusive design
 - **AI & Runtime Engineering:** Natural Language to custom schema agents, prompt engineering, schema design, workflow reliability
 - **Backend/Fullstack:** SharePoint/ODSP integration, JSON schema design, API contracts
 - **Testing & Quality:** Unit & integration testing, debugging, modular design
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Personal Projects

- **Fullstack Web Apps:** Built multiple Next.js/TypeScript apps including real-time game tools, goal-tracking utilities, and financial comparison tools using Supabase, Tailwind, and Vercel.
 - **Browser & Editor Extensions:** Created Chrome/Edge extensions and VS Code/Obsidian plugins improving UI, developer workflows, and content organisation.
 - **Cross-Platform Tools:** Developed utilities across desktop (Tauri/Rust), mobile (Expo), and CLI (Python/Rust).
 - **Bespoke Web Apps:** Built several bespoke web apps for small businesses and family/friends.
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Education

Maynooth University

Computer Science & Software Engineering (2017–2022, not completed)

- Google Students with Disabilities Scholarship recipient (2018/2019).
 - Academic Representative (2nd & 3rd Year).
 - Organised and led group study sessions to support classmates.
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Achievements

- **Access Champion of the Year 2020** — USI Student Achievement Awards Ireland
- **Maynooth Students' Union President's Award** for Outstanding Contribution to Student Life
- Organiser of MSU Charity Week 2019 — raised €13,000+ for Barretstown
- Multiple leadership roles across university societies (President, Vice-President, Events Officer) of Computer Science and Access Societies