Andy Lincoln - Software Engineer
Full Stack Engineer with a passion for Web Accessibility

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Work Experience

Senior Software Engineer - Pluralsight (Remote)
March 2021 - Present

Tech Lead of Assessments Content Tooling Team — March 2022 - Present
Tech Lead of Skill IQ Assessments Team — April 2021 - March 2022

- Architected and project managed the migration of multiple assessment tooling products into a single tech stack
- Designed data streams for Kafka for a robust versioning system for assessments, questions and their related metadata
- Co-wrote company front end accessibility implementation and testing guidelines with the Design System team lead
- Architect the Pluralsight Skills Assessment CMS to support multiple assessment types with a single, reusable component library
- Partnered with the Senior Accessibility Specialist to help improve accessibility practices within the engineering organization
- Added end-to-end testing with Playwright to prevent regressions on bugs in our CMS
- Established team practices on unit, integration, acceptance tests for our Node.js backends with Jest and Supertest.
- Audit accessibility and assist teams with critical accessibility bugs by reproducing and solving screen reader issues with JAWS.
- Collaborate with our Senior Director of Engineering to establish priorities and create achievable plans for success on new work
- Collaborate with internal content production stakeholders to identify important features and capabilities we need for our Assessments CMS
- Provide mentorship to engineering team members

Software Engineer - Pluralsight (Boston, MA)
June 2018 - April 2021

Tech Lead of Skill IQ Assessments Team — Jan 2019 - April 2021

- Project managed and architected the rewrite of the Skill IQ assessments platform, migrating millions of records of user data
- As tech lead of the Skill IQ team, collaborated closely with the Product Manager and UX Designer to scope & prioritize product improvements
- Contributed expertise in web accessibility, responsive web design improvements to make our product usable across mobile, desktop browsers
- Collaborated with team members using mob programming and TDD to architect our rewrite of the Skill IQ product
- Created and maintained system documentation for my team's API's & and other data services for other team's to integrate with.
- Negotiating agreements and deliverables between the Skill IQ team and teams dependent on our data and services
- Established regular dependency audits for my team to stay on top of tech debt

Digital Artisans - North Andover, MA

Front End Web Developer — March 2017 - May 2018

- Collaborated with designers to develop marketing sites with WordPress with great UX for both site authors and visitors
- Improved client website performance including: SEO, caching, JS, CSS & image optimizations
- Implemented animations using CSS3 and SVG
- Integrated new designs into client's apps from design handoff to production.
- Developed WCAG 2.0 AA compliant accessible front-end components
- Improved operational security with password managers, serving sites over HTTPS

Skills & Programming Languages

- JavaScript, TypeScript
- React, React Testing Library
- HTML5
- Screen readers (VoiceOver, JAWS, NVDA)
- CI/CD using Jenkins, TeamCity, & GitLab
- Responsive Web Design using Flexbox and Grid
- Developing event driven applications Apache Kafka
- Python
- Docker
- Java

- Node.js & Express
- Designing REST APIs
- CSS, SVG & animation
- Test Driven Development (TDD)
- Playwright e2e test automation
- Developing accessibile web apps (WCAG 2.1+ AA compliance)
- SQL (MySQL, PostgreSQL)
- FastAPI
- Version control with git, GitHub, GitLab

Education

University of Massachusetts Lowell - Lowell, MA

Bachelors Of Science in Computer Science — Sept 2011 - Dec 2015