Andy Lincoln - Software Engineer

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Work Experience

Pluralsight - Boston, MA

Tech Lead of Assessments Learner Team	Jan 2019 - Present
Software Engineer III	October 2019 - Present
Software Engineer II	June 2018 - October 2019

- As tech lead of the Skill IQ Learner team, collaborated closely with the Product Manager and UX Designer to scope & prioritize product improvements
- Negotiating agreements and deliverables between the Skill IQ team and teams dependent on our data and services
- Contributing expertise in web accessibility, responsive web design improvements, and screen reader testing to my team as well as others across Pluralsight to achieve WCAG 2.1 AA compliance.
- Collaborate with engineering team members using mob programming and TDD to architect and implement a more robust adaptive assessments platform for Skill IQ using Python FastAPI, Node.js Express and Apache Kafka
- Project managed the migration of several dependent teams within Pluralsight off of deprecated RabbitMQ exchanges and APIs towards our new data exchange services provided by Apache Kafka in order to enable team goal of rewriting our adaptive assessments platform
- Organized cross-team, cross-department collaboration for interdependent teams within Assessments to align goals and deliverables to avoid blocking each other
- Create and maintain system documentation for my team's responsibilities to allow other teams dependent on our data to easily integrate with us.
- Established a quarterly dependency audit of npm and pypi packages for my team to stay on top of tech debt
- Developed modular React components for increased re-use of business logic, layout pieces by separating layout concerns from functionality using CSS Modules and functional components
- Assisting in team recruiting and hiring, and onboarding of new engineering hires

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
- 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, including implementing best practices like using password managers and migrating all client sites to HTTPS

NetNumber, Inc. - Lowell, MA

Software Engineer	Jan 2016 - Sept 2016

- Updated product front-end to conform to WCAG 2.0 accessibility guidelines
- Collaborated with QA engineers to automate cross-browser user experience testing using Selenium

Development Intern	May 2013 - June 2014

- Contributed to migration of the build process from monolithic Makefile to a modularized, modern Java build using a Continuous Integration pipeline with Maven and Jenkins

IBM Silicon Valley Lab - San Jose, CA

Software Test Co-Op	July 2014 - December 2014

- As part of the QA team for IBM's Big Data platform, BigInsights, I developed automated tests of the developer SDKs

Skills & Programming Languages

- Python
- JavaScript (ES6 and newer)
- React.js
- HTML5
- SVG
- CI/CD using Jenkins, TeamCity, & GitLab
- Responsive Web Design using Flexbox and Grid
- Developing event driven applications with RabbitMQ & Apache Kafka
- SQLAlchemy && Alembic
- git
- FastAPI
- Node.js & Express
- Designing REST APIs
- CSS, CSS Modules, SCSS
- Test Driven Development (TDD)
- Screen reader usage and testing (VoiceOver, JAWS, NVDA)
- Developing accessibile web apps (WCAG 2.1 AA compliance)
- SQL (MySQL, PostgreSQL)
- Docker
- Java

Education

University of Massachusetts Lowell - Lowell, MA

Bachelors Of Science in Computer Science	Sept 2011 - Dec 2015

Web Development, Web Design, Software Engineering, Big Data, Computer Vision, Internet of Things, Android App Development, Engineering & Ethics, Computer Operating Systems & Architecture