Andy Lincoln - Software Engineer

Email: andrewlincoln11@gmail.com **Cell:** (978) 319-0545

Work Experience

Pluralsight - Boston, MA

Tech Lead of Skill IQ 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 and work around challenges from tech debt
- 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.
- 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 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, reviewing of applicant's code submissions and interviewing candidates

Digital Artisans - North Andover, MA

Web Developer	March 2017 - May 2018

- Integrated new designs into client's apps from design handoff to production.
- Collaborated with designers to develop quality UX for WordPress authors and site visitors
- Developed WCAG 2.0 AA compliant accessible front-end components
- Audited client website performance including: SEO, caching, JS, CSS & image optimizations
- Improved organizational security practices, including implementing best practices like using password managers and migrating all client sites to HTTPS

Skills

- Designing REST APIs
- React.js
- Responsive Web Design using Flexbox and Grid
- Web accessibility (a11y)
- Developing event driven applications with RabbitMQ & Apache Kafka
- PostgreSQL with SQLAlchemy
- Node.js & Express
- git
- Test Driven Development
- Contiuous Integration/Deployment using Jenkins, TeamCity & GitLab
- Screen reader basic usage and testing (VoiceOver for Mac, JAWS, NVDA on Windows)

Programming Languages

Python, HTML5 & CSS3, JavaScript (ES6 and newer), SQL, SVG, Java, Ruby, C

Other Experience

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 BigInsights developer SDKs

Education

University of Massachusetts Lowell - Lowell, MA

Bachelors Of Science in Computer Science	Sept 2011 - Dec 2015

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