

## EXPERIENCE

### *Platform Software Engineer*

### **TechSmart**

NOV 2020 - Present

- Full stack development implementing exciting new features for TechSmart's K-12 coding education platform.
- Collaboration with curriculum development, product design, and teacher success teams throughout the product planning and development lifecycle
- Notable product contributions:
  - Built TechSmart's SSO integrations, allowing students and teachers to sign-in with various 3rd party identity providers in use within their school district
  - Developed a feature allowing students to export projects from the platform to their GitHub portfolio
  - Contributed numerous bug fixes and improvements impacting existing features, platform performance, and curriculum capabilities

### *Software Developer (Contract)*

### **90.3 KEXP FM**

JAN 2017 - AUG 2020

- Built a web app to help DJs upload music from their personal collections to KEXP's Digital Music Library, saving several hours of work each week.
- Developed automated audio processing for format conversion, quality enforcement, and preparation of music for on-air playout.
- Built a music metadata aggregation system, ensuring new audio files arrive in the KEXP Media Asset Management system annotated with rich, searchable metadata fields.
- More than 90% of music added to KEXP's weekly on-air rotation is submitted through this system.

### *Software Engineer*

### **IBM Cloudant**

JUN 2013 - SEP 2019

- Developed Python/Flask REST APIs and microservices for billing, cluster analytics, upgrades, user migrations and more.
- Built alerting and monitoring services; scaled to operate across hundreds of database clusters.
- Performed regular on call operations, cluster upgrades and incident root cause analysis.

### *Teaching Assistant*

### **University of Washington**

JAN 2012 - JUN 2013

- Courses: Computer Programming I and II
- Led weekly lessons supplementing lecture materials.
- Supervised lab sessions to build students' programming experience in Java.
- Graded homework assignments, midterms, and final exams.

## CORE SKILLS

Web Development, Frontend development, Backend development and REST API, Agile methodology, Automated Testing, CI/CD

## LANGUAGES AND FRAMEWORKS

Python (professional exp), Javascript (prof exp.), TypeScript (prof. exp), Java (prior experience), Django (prof exp.), Flask (prof exp.), Vue.js (prof exp.), Angular (prof exp.), Android (familiarity),

## SYSTEMS AND TOOLS

PostgreSQL, MongoDB, Linux/unix command line, Gitlab, Travis CI, Git, Chef, AWS ElasticBeanstalk

## EDUCATION

University of Washington, Seattle — *B.S. Informatics*

2010 – 2013, 2017 – 2019