

EXPERIENCE

Platform Software Engineer II

TechSmart

NOV 2020 - Present

- Full stack development implementing and maintaining TechSmart's K-12 coding education platform.
- Collaboration with curriculum development, product design, and teacher success teams throughout the product planning and development lifecycle
- Examples of noteworthy 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
 - Designed and implemented a feature allowing students to export projects from the platform to their GitHub portfolio
 - Contributed numerous bug fixes and improvements to 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 pipelines 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 services for billing, usage analytics, upgrades, user migrations and more.
- Performed regular on call operations duties including cluster upgrades, incident response, and root cause analysis.

Teaching Assistant

University of Washington

JAN 2012 - JUN 2013

- Courses: Computer Programming I and II (Java)
- Responsible for weekly quiz section instruction, labs, and grading of student assignments and exams.

CORE SKILLS

Web Development, Frontend development, Backend and API development, Reactive frameworks, 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, MySQL, MongoDB, Linux/unix command line, CI/CD, Git, AWS (notably S3 and ElasticBeanstalk)

EDUCATION

University of Washington, Seattle — B.S. Informatics

2010 - 2013, 2017 - 2019