JASON LAU

(510) 386-7484

jaswlau@gmail.com ⋄ linkedin.com/in/jason–lau ⋄ www.github.com/jasonwlau

WORK EXPERIENCE

Amazon   Feb 2022 - Present
Software Development Engineer

- Developed across several RESTful microservices with **Java Spring**, enabling users to create, edit, and distribute content across the Amazon platform in over 10 different marketplaces
- Led the refactoring and ownership transfer of idea lists to the content publishing team, accounting for 86% of total content published
- Spearheaded development on a new centralized customer and influencer content management platform
- Architected the backend for numerous new features to idea lists including draft support and autosave functionality while simultaneously cutting p90 latency by 40%
- Implemented various UX improvements across desktop, Android, and iOS platforms using **React Native**, including more extensive product tagging options and easier reordering of product lists
- Collaborated with partner teams to integrate our new features across the Amazon website, contributing to an overall 22% increase in traffic to our tools
- Used AWS CDK and CloudFormation to create and maintain numerous CI/CD pipelines, streamlining the process of developing infrastructure for our services

Amazon   May 2021 - Aug 2021
Software Development Intern

- Designed and implemented a resource management dashboard in React for 19 field engineers and network operation team members within the Fire TV team
- Provided health metrics to be used in Fire TV optimization runs, improving performance of devices by 34%
- Created an ETL pipeline for consuming around 50 GB/hr of on-demand video streaming data sets using **Python**, AWS Lambda, IoT Analytics, Amazon S3, Timestream, and API Gateway
- Helped in refactoring web portal to use micro-frontend architecture, increasing team flexibility and reducing development time by 20%

EDUCATION

University of Southern California   Aug 2018 - Dec 2021
BS in Computer Science   **Honors:** *Magna Cum Laude*

SKILLS

Languages	Python, Java, JavaScript, TypeScript, C/C++, HTML/CSS, SQL
Frameworks	Java Spring, React, Express, Electron, NumPy, pandas, sklearn, Flask, Tailwind
Tools	Git, Linux, Docker, AWS Lambda, DynamoDB, CloudFormation, Amazon S3, EC2

PROJECTS

Audio Redaction Tool TypeScript, Electron, React.js

- Worked with the Los Angeles County District Attorney's Office to create a redaction tool for over 1000 hours of court recordings and transcripts as part of a senior capstone project
- Used FFmpeg along with other tools to streamline the audio redaction and transcript editing processes