

Luke H Jung

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WORK EXPERIENCE

Amazon: Prime Video Live Events

Seattle, WA

Software Development Engineer II (Live Events Publishing Team)

January 2024 – Present

- Drove a strategic system-wide consolidation of the live event publishing pipeline, unifying logic across Amazon and non-Amazon properties, resulting in the deprecation of multiple legacy services and APIs.
- Directed a critical migration across six services, upgrading all connectivity protocols to a mandated Amazon standard and transitioning to new VIPs to ensure seamless and secure deployment.
- Significantly contributed to talent acquisition by conducting over 50 technical and behavioral interviews and providing detailed, actionable feedback to hiring teams.
- Enhanced the Live Events Publishing platform, delivering numerous features and bug fixes via the contribution of ~120,000 lines of new code and refactoring 50,000 lines across 84 packages.
- Spearheaded and successfully executed an operational campaign to eliminate the team's ticket backlog, achieving a historic first by reducing the queue to zero.
- Drove feature parity across multiple key components for existing NBA features, culminating in the successful launch of a new product on Prime Video.
- Implemented a new, error-based deduplication logic into the ticket routing process, which slashed operations ticket count from over 100 to 10. This systematic improvement enabled the team to efficiently triage and resolve recurring publishing issues.
- Established a fully automated input mechanism for merged broadcast events, leveraging SQS FIFO to communicate with downstream teams and guarantee the correct execution of state automation workflows.

Software Development Engineer I/II (Sports Partner Integration Team)

January 2023 – January 2024

- Led the full software development lifecycle for a partner broadcast metadata history tool, from design and cross-team review to implementation, testing, and launch, ensuring seamless visibility for non-Amazon live event publishing.
- Mentored and successfully onboarded multiple interns and new hires, designing engaging projects and fostering best practices that resulted in successful project releases.
- Architected and implemented a globalized image localization system for live event publishing, enabling dynamic image display based on viewer locale across the Amazon platform.
- Collaborated with data engineers to design and implement an automated data pipeline for operator override reporting, replacing a manual process and saving operators 5-8 hours weekly.

Software Development Engineer I (Live Events Management Tool Team)

August 2021 – January 2023

- Engineered a React web application for Prime Video live event publishing, integrating multiple Amazon backend services via Java to streamline live sports and event launches.
- Ensured system reliability by maintaining on-call rotations, proactively resolving critical, customer-impacting availability issues and triaging daily incidents to deliver timely solutions.
- Authored and presented detailed design documents outlining clear workflows and tasks to facilitate the seamless integration and migration of legacy systems.

UCLA Anderson, Graduate School of Management

Los Angeles, CA

Web Developer

July 2020 – July 2021

- Developed a Python-based automation script to migrate over 1,150 content assets (250+ Anderson Review Articles and 900+ UCLA Faculty researcher profiles), ensuring scalability and compatibility for future content migrations.
- Optimized CMS content management using Ingeniux, resolving JavaScript compatibility issues and ensuring ADA accessibility and responsive design across mobile and desktop platforms

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

Bachelor of Science, Computer Science

- *Relevant Coursework:* Data Structures, Algorithms, Networking, Computer Languages, Databases, Data Science, Machine Learning, Computer Architecture, Operating Systems, Computer Graphics, Computer Vision.

SKILLS

Languages: Java, React, Python, Kotlin, SQL, JavaScript, HTML, CSS, Ruby, Mathematica, R, NodeJS, C++.

Experience with AWS, AWS CDK, TestNG, Docker