

Summary

Software Development Engineer at Amazon with experience in PrimeVideo, Ad Tech, Transportation and Logistics. Building engineering platforms for ML Models development at PrimeVideo using Spec Driven Development, optimized Amazon's Publisher Ad Server to drive \$100M+ in revenue at large scale, built visibility tools for Amazon warehouses around the globe, developed payment systems that meet strict government regulations for Prime Video. Delivered tools for model development, improved system efficiency and compliance, and launched new features used by millions of customers worldwide.

Experience

Amazon (Prime Video) - SDE2

April 2025 - Present

Seattle, WA, USA

Java, Apache Airflow, TypeScript, Python, AWS Services

- Building ML engineering platforms and tools for scientists to develop, test, evaluate, and deploy ML models for Prime Video.
- Built a comprehensive Model Performance Evaluation Framework from scratch, designing architecture, implementing evaluation workflows, and dashboard visualization.
- Developed automated contract parsing systems to identify rights for localization and distribution; enabled automated workflow decisions.
- Pioneered "Architecture-Diagram Driven Development" with Spec Driven Development using Amazon Kiro and Amazon Q AI tools.

Amazon (Amazon Advertisement) - SDE2

March 2023 - April 2025

Seattle, WA, USA

Java, JavaScript, TypeScript, Python, AWS Services

- Worked on Publisher Ad Server, optimizing infrastructure and onboarding major clients.
- Designed and implemented Ad Server features to improve business efficiency; saved \$15MM+ yearly.
- Onboarded ad publishers: PrimeVideo, FreeVee, Twitch, IMDB, Goodreads, Alexa, etc.
- Supported onboarding of live games, including Thursday Night Football (driving 20M+ concurrent viewership, \$100MM+ revenue).

Amazon (Amazon Transportation Services) - SDE2

August 2022 - March 2023

Seattle, WA, USA

Java, JavaScript, React.js, Meridian, AWS, REST API

- Built visibility and tracking tools for global warehouse operations.
- Developed visibility tool for Facility Managers to monitor package status, prioritize packages, and track actions and package movement within facilities and warehouses around the globe.

Amazon (Prime Video) - SDE2

October 2021 - August 2022

Bangalore, KA, India

Java, Node.js, AWS, REST API

- Developed payment systems and subscription services for India; ensured regulatory compliance.
- Implemented e-mandate for recurring payments, critical for Prime Video Channels business continuity.
- Built Free Trial Eligibility Service to prevent trial abuse by identifying duplicate payment methods and customer information.

Amazon (Prime Video) - SDE1

August 2019 - September 2021

Bangalore, KA, India

Java, JavaScript, React.js, Perl, PHP

- Amazon PrimeVideo – Built core Prime Video features: payment systems, data migration, channel onboarding for India market.
- Developed keyboard features for Chinese languages in Prime Video Living Room App.
- Migrated and stored payment data in compliance with Indian regulations.
- Implemented e-mandate functionality and launched third-party channels (Eros Now, Discovery+, etc.) on Prime Video India.

National Instruments - R&D Intern

January 2019 - June 2019

Bangalore, KA, India

Python, Java, LabVIEW

- Worked on automating the electronic circuit creation based on the input, output and computation specified by the user.

Education

B. Tech. in Information Science Engineering, **8.7/10**

Aug 2015 - Jun 2019

Bangalore Institute of Technology

Bangalore, KA, India

Skills

Java, JavaScript, React.js, Apache Airflow, Meridian, Git, Docker, C++, Python, Perl, PHP, AWS, CDK, SPEC Driven Development, Amazon Kiro, AmazonQ