

Humayoon AQK

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Education

The University of Texas at Dallas
MS in Computer Science

Aug 2019 – Dec 2021

- GPA: 3.91/4.0 (**Core:** Design and Analysis of Algorithms, Database Design, Big Data and Analytics)

National University of Sciences and Technology
BS in Electrical Engineering

Sep 2012 – Jun 2016

- GPA: 3.92/4.0 (**Core:** Electrical Machines, Power System Protection, Engineering Project Management)

Murray State University
Cultural Exchange Semester

Aug 2015 – Dec 2015

- GPA: Non-Degree Seeking (**Core:** American National Government, Sign Language, Electrical Systems)

Experience

Software Development Engineer - II
Amazon

Seattle, WA

Jul 2024 – Present

- Launch videos in Egypt, South Africa, Belgium and Ireland marketplaces on product pages.
- Migrate all services hosted in AWS eu-west-1 region to new regions as part of regional flexibility goal.
- Built conversation history workflow for videos on Rufus (AI-powered conversational shopping assistant).
- Set up load test infrastructure for native AWS service, run tests + find max TPS/latency and scale the fleet which led to successful Black Friday Cyber Monday (BFCM) 2024. 10% increase in video views and sales.
- Run holdout experiment on product pages to find what values videos bring in terms of revenue and discovery via A/B testing and present learning to the leadership (i.e. videos bring \$10+ billion in revenue annually).
- Enroll into A/B testing bar-raiser program which allows me to help Amazonians run efficient experiments.
- Interview, hire, mentor, and develop junior engineers at Amazon Shopping Videos.

Software Development Engineer - I
Amazon

Seattle, WA

Mar 2022 – Jun 2024

- Launch non-dominant videos on product pages allowing non-native customers watch videos in their language.
- Experiment and launch jump links (i.e. tap to jump to topic) feature on video player built via React Native on iOS and Android product pages. \$10 million increase in sales and 5% increase in video engagement.
- Experiment and launch follow button on video players built via Amazon UI on desktop, mobile web and mobile apps on product pages. 4% increase in revenue YoY and 7% increase in creator viewership.
- Experiment and launch influencer videos on several widgets across product pages. 8% rise in video views.
- Perform data migration of 25 million video votes from locally stored Dynamo DB to a centralized Amazon Lightweight Interactive Service which allows any internal team to fetch video votes via a simple API call.

Software Engineer Intern
Text-Em-All

Friscio, TX

Aug 2020 – Jan 2021

- Implement a notification service with AWS lambda texting customers of account activity using NodeJS.

Software Engineer Intern
Copart

Dallas, TX

May 2020 – Aug 2020

- Create a web page for generating vehicle title lien report for lenders using Java Spring Boot and Angular.

Technologies

Languages: Java, SQL, TypeScript, HTML/CSS

Frameworks: Java Spring Boot, Microsoft SQL Server, React Native