

Harshil Shah

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PROFESSIONAL EXPERIENCE

Software Developer Engineer

Amazon Prime Video 

10/2022 – present
Arlington, VA

- Dockerized multiple microservices for the recommendation API
- Enabled multiple changes to teams internal software tools, specifically: React and nodeJS
- Designed, Implemented and maintained Java applications that are typically high-volume and low-latency in prime video sports, that are necessary for mission-critical systems.

Data Engineer

Mako Medical

09/2021 – 09/2022
Henderson, NC

- Worked closely with staff to help design and build efficient tools for the clinical interpretation of variants detected in Covid-19
- Helped develop an intermediate solution for automated processing and analysis of large data sets of Covid samples.

Software Developer/Co-Founder

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05/2020 – 09/2021
London, Ontario

- Created a multi-platform application during the pandemic that allows volunteers to accept and view tasks within their area to help those in need.
- Developed the backend system using Django and Amazon S3 Buckets.
- Developed an end-to-end mobile app with version updates using Flutter, Firebase, Django, and PostgreSQL that allows volunteers to find tasks posted by homeowners, hosted on AWS EC2.

EDUCATION

BSc. in Medical Sciences and Biology

Western University

2016 – 2021
London, Ontario

Relevant Coursework: Scientific Project Management, Web Development, Software Design, Big Data Analytics, Statistics

Project Manager

Western University


2018 – 2019

- Developed a python program to interact with Blender Libraries with OrthoOnBlender and pyDicom which converts DICOM files (extracted from the MRI of Lady Hudson) into STL OBJs which were later 3-D printed.

Research Lead

Western University (Physics and Astronomy)

2016 – 2018

- Conducted and supervised a project for the Carbon-Based Nanomaterials and Nano-Optoelectronics Group which involved conducting experiments in improving the transfer printing of graphene onto electrical grids. Resulted in Publication. 

SKILLS

Programming

HTML/CSS, Django, React.JS, Rest APIS, SQL, Java, Python

Frameworks

AWS, Bootstrap, CICS, COBOL, CLI, Firebase, JCL, JSON, Git/Version Control, Mainframe, NodeJS