

Valay Shah

Seattle, WA | (212) 518-4732 | valay.shah00@gmail.com | [Linkedin](#) | [Github](#)

Experience

Software developer / Amazon / July 2023 – Present

- Reduced the data collection time by 88% (25 hours to 3 hours) by migrating a data source to a new architecture for 16 Mn Asins
- Eliminated 128 shepherd risks by refactoring a legacy code base to a new service maintaining the git history and resolving thread failures on MAWS host
- Collaborated with data scientists and developed an innovative solution by leveraging simulation time to simulate transfer event sequences which involved modifying legacy code base to introduce start time between transfers events from past which was historically not possible and reduced the bcf by 2 points
- Upgraded the JDK dependencies for 43 packages in the team meeting company wide goals
- Created a service as IaC which creates all the backbone to connect the services to the network including hosted zones and DNS network, adding security protocols, adding stages to the pipeline and creating endpoints with allegiance
- Migrated the ticket cutting APIs to the newer API reducing maintenance overhead and ensuring compliance

Software developer / Invidi / FEB 2023 – July 2023

- Worked on the development of an ad optimization platform called Edge enhancing the ability to tailor ad placements based on customer segment data driving revenue growth
- Optimized the ad revenue generation platform by working with Java, AWS and SQL

Software Developer Intern / Amazon / May 2022 – August 2022

- Slashed the running time of the main simulation algorithm by 80% by identifying the long running asins and dividing them into dynamic batches based on their predicted run times working with JAVA and SQL

Software Developer Intern / Indian Space Research Organization / July 2019 – Oct 2019

- Shrunk the intra cluster variance by 10% by programming a modified algorithm for K-means clustering to detect better and accurate clusters in hyper and multi spectral NDVI plant images using python

Education

M.S. Computer Science / Dec 2022 / New York University (Courant School of Mathematics), NY GPA: 3.687

Coursework: Fundamental Algorithms, ML, Devops and Agile Methodologies, Big Data Application, AI, NLP

B.Tech Information Technology / Aug 2020 / Gujarat Technological University, India GPA: 9.23/10

Coursework: Software Engineering, Cloud Computing, Databases, Web Technology, Python, Data Science, OOPS

Skills

Languages and Frameworks: **Java**, **Python**, C++, HTML, CSS, JavaScript, Spark, Scala, React, NodeJS

Tools and Technologies: **GIT**, Bootstrap, **Docker**, Typescript, Linux, **Unit Testing**

Database: **SQL**, DynamoDb

Cloud: AWS

Soft skills: Leadership Principles (Amazon), Management, Communication

Certified Professional: Oracle Certified Java Professional (OCJP-SE6), Microsoft Technology Associate C#