

# Mohammed Ashfaq Ahmed

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## Work Experience

### Amazon

Software Development Engineer

Aug 2022 – Present

- Led the development of the **Automated deal appraisal and pricing tool (ADAPT)** for **AWS Fintech**, automating end-to-end financial deal modelling by integrating upstream data such as usage, price and cost for various AWS services.
- Led the integration of **Data Transfer deal modelling** into ADAPT, starting from **requirement gathering**, to having **High level and Low level designs**, to leading a **4-member SDE team** for the implementation, and **user acceptance testing (UAT)** collaborating through cross-time zones. Delivered modelling for **~100 deals** worth **\$800M** commitment in 5 months, saving **~510 hours** annually for the finance team.
- Designed a scalable solution to automate **public pricing updates**, reducing **operational overhead** by migrating data sources to the **Data Lake**, Improved data accessibility and maintainability, eliminating at least 2 on-call tickets per week, saving significant troubleshooting effort.
- Implemented **API-level metrics for 176 APIs**, integrated with AWS CloudWatch, and created dashboards with automated alarms and notifications on threshold breaches for enhanced monitoring and faster incident response.
- Migrated legacy pipelines to **AWS Cloud Development Kit (CDK)**, enabling **Full CD workflows**, modernizing development processes and reducing pipeline development time by 30%. Recognized as the team's **Subject matter Expert (SME)** for pipelines, deployments and migrations.
- Mentored 4 colleagues to achieve career goals, and conducted 32 interviews to support company hiring efforts.

### OpenText

Software Engineer

Nov 2021 – Jul 2022

- Enhanced **OpenText Imaging WebViewer** by designing and implementing new features, including migrating core imaging libraries to improve functionality and maintainability.
- Developed a POC to migrate **Imaging WebViewer metadata** from **OpenText Content Server** to a format compatible with **OpenText Intelligent Viewer**, improving metadata interoperability.

Associate Software Engineer

Nov 2019 – Nov 2021

- Developed new features for **OpenText Intelligent Capture**, enabling seamless document exports to **OpenText Documentum server** for enhanced integration.
- Built an **automation framework** with **Selenium** and **.NET framework** for **OpenText Core Capture**. Designed and developed automation scripts for **integration testing** and **mock testing**, ensuring efficient test coverage.
- Created a POC for the iOS version of **OpenText Brava! Mobile**, enabling **annotation processing** for image and PDF documents to expand accessibility.

Engineering Intern

Jun 2019 – Oct 2019

- Developed integration tests for new features in **OpenText Content Server**, improving test coverage and reliability.

### Smart Interviews

Part-time student mentor

Feb 2021 – May 2021

- Mentored **120+ students** in **Data Structures and Algorithms**, providing guidance on optimizing **runtime complexities** and improving problem-solving skills.

## Skills

**Programming Languages:** Java, JavaScript, TypeScript, C++, C#, HTML, CSS/Sass

**Libraries and Frameworks:** React.js, Node.js, Express, MySQL, MongoDB, Firebase, .NET

**AWS services:** Lambda, DynamoDB, RDS, S3, SQS, SNS, Athena, Glue, Step functions, API Gateway, CloudWatch

**Tools & Platforms:** Git, Docker, Kubernetes

## Education

B V Raju Institute of Technology

Hyderabad, India

Bachelor of Technology • Computer Science • CGPA: 9.28

Aug 2016 – June 2020

## Awards & Certifications

- **AWS Certified Developer - Associate** ([Credly](https://www.credly.com/credentials/certification/ashfaqahmed027/aws-certified-developer-associate))
- **Most Innovative Idea** (Audience choice) award in **AWS Fintech Hackathon 2024** for presenting 'Smart MCM'
- **People's choice** award in **AWS Fintech Hackathon 2023** for 'Automating OE reports generation'
- **Cultural Maven** and **Best extra activity champion** awards for organizing various events for AWS Fintech India hub.
- **Extra Miler award** for taking an extra mile and consistently demonstrating 'Bias for action'