

# Adersh A



adershaniyan1998@gmail.com



8848998277



Linkedin

AWS Certified Data Engineer with over 3 years of experience in the healthcare domain. Skilled in designing and managing cloud-based data platforms, including data lakes and data warehouses. Proficient in optimizing ETL workflows, analyzing transactional data, and delivering scalable, reliable, and efficient data solutions.



## Skills

AWS Cloud

SQL

Python

PySpark

Databricks



## Experience

**Cognizant Technology Solutions India Pvt. Ltd | Data Engineer**

2021/10 – present | India

### Responsibilities :

- Involved in developing data ingestion pipelines in Databricks to process data from AWS S3 across various layers using scheduled workflows.
- Developed and optimized SQL queries for target system compatibility, implemented business logic transformations, and performed complex queries for metadata analysis and root cause validation.
- Actively involved in developing a key data pipeline to process over 100 TB of data from on-premise systems using multiple loading strategies using AWS DMS handling file formats such as CSV, JSON and Parquet.
- Developed and automated AWS lambda functions to retrieve AWS DMS log details and automated data consolidation with AWS Cloudwatch, SNS and S3.
- Designed and implemented robust data testing frameworks to ensure data accuracy and consistency: developed a PySpark-based unit testing framework in Databricks, and built an automated data validation framework using Python integrated with AWS Glue, Lambda, S3, Athena, EventBridge, and SNS.
- Worked with AWS Glue job to leverage Apache Hudi data management framework to reconcile incremental data on top of S3 Datalake to provide data consistency and accuracy.
- Automated reconciliation data stats ingestion using AWS Glue Crawler, Data Catalog and S3, enabling real-time querying through AWS Athena.
- Designed and implemented automated email reporting using Amazon SES, integrating AWS Lambda and Eventbridge for trigger based execution and scheduled delivery with cron expressions.
- Collaborated with Devops, Architects and QA to deploy AWS resources using CloudFormation templates and conducted knowledge transfer sessions for downstream teams.
- Worked in an Agile environment using Jira for sprint planning, task tracking, and collaboration.

### Technologies Used :

Cloud platofrms: **Databricks, AWS**

AWS Services: **DMS, Lambda, S3, Athena, Glue, SNS, Eventbridge, CloudWatch**

Database: **IBM DB2, MS SQL Server**

Language: **Python, PySpark**



## Education

**Bachelor of Technology, College of Engineering Trivandrum**

2017/08 – 2021/07

Completed Industrial Engineering with 7.55 cgpa

**Higher Secondary, S.N.M HSS, Purakkad**

2015/06 – 2017/03

Completed higher secondary education with 92%



## Certificates

- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- SnowPro Core Certification
- Microsoft Certified: Azure Fundamentals