

Adersh A



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Linkedin

Data Engineer with morethan 3 years of experience in healthcare, worked in cloud data platforms, building and managing data lakes and data warehouses, optimizing ETL workflows, and analyzing transactions. Focused on delivering reliable and efficient data solutions.



Skills

AWS Cloud

SQL

Python

PySpark

Databricks

Snowflake



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