Adersh A

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Profile

AWS Certified Data Engineer with 3.7 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

Cloud platofrms: **AWS, Databricks**
Frameworks: **Apachi Hudi, Delta Lake, Pyspark**
AWS Services: **DMS, Lambda, S3, Athena, Redshift, Glue, SNS, Eventbridge, CloudWatch, VPC, Step functions**
Azure: **ADLS, Pipelines, Repos**
Database: **IBM DB2, MS SQL Server**
Language: **Python, SQL**

Experience

Cognizant Technology Solutions India Pvt. Ltd. |Data Engineer   2021/10 – present | India
Role: Data Enigneer

Responsibilities :

- Involved in developing data ingestion pipelines in Databricks to process data from Azure ADLS 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.

Certificates

- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- SnowPro Core Certification

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%