

SABARIVENKATESH KATHIRVEL

AWS CERTIFIED DATA ENGINEER - ASSOCIATE

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PROFESSIONAL SUMMARY

AWS Certified Data Engineer - Associate with a proven ability to design, implement, and optimize scalable data pipelines and analytical solutions on **AWS Cloud**. Demonstrated expertise in **ETL processes**, **data lake management**, and transforming complex raw data into actionable insights. Eager to contribute to cutting-edge data engineering challenges.

EXPERIENCE

UST GLOBAL – DATA ENGINEER (SEP 2024 – PRESENT)

Domain - Healthcare

- **Built and deployed a comprehensive Healthcare Data Analytics pipeline on AWS Cloud**, significantly enhancing data accessibility and consistency by **over 35%** for critical downstream analysis.
- **Designed and implemented robust ETL processes using AWS Glue (Python/PySpark)**, directly reducing manual data preparation efforts by approximately **40%**.
- **Optimized data retrieval from an S3 Data Lake using AWS Athena**, leading to an acceleration in query performance by up to **50%**.
- **Managed and monitored critical ETL pipelines** that processed large volumes of diverse datasets, ensuring operational efficiency and data integrity.
- **Analyzed complex pipeline architecture and performed comprehensive debugging and validation of data flows**, playing a key role in identifying and resolving data discrepancies for robust data insights.
- **Applied advanced cloud-based data services (AWS), SQL, and data pipeline concepts** to drive data initiatives and ensure robust data handling in a dynamic enterprise environment.
- **Collaborated with cross-functional teams** to align data solutions with business objectives and ensure adherence to quality standards.

TECHNICAL SKILLS

Programming - Python, SQL

Cloud – AWS (S3, Redshift, Athena, Glue, QuickSight, Lambda, KMS, CloudWatch, Step Functions)

Visualization Tool – Microsoft PowerBI

Frameworks/Libraries – Pandas, PySpark

Concepts: ETL/ELT, Data Warehousing, Data Lake, Common Data Model (CDM), Data Modeling, Data Governance, Data Validation

CERTIFICATIONS

- AWS Certified Data Engineer Associate – ([Certificate link](#))
- AWS Certified Cloud Practitioner – ([Certificate link](#))