Adarsh khot

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Summary

Data Engineer with 3 years of experience specializing in ETL development, Data Warehousing, SQL, Python, Spark, and cloud platforms (AWS, Azure). Demonstrated expertise in cost-efficient data migration, optimizing workflows, and driving continuous process improvements. Experienced in partnering with **BFSI** clients on large-scale data migration and modernization projects, ensuring secure, compliant, and business-critical outcomes.

Skills

Languages: SQL, Python, PySpark, C
Cloud Services: AWS Glue, Redshift, AWS EMR, AWS MWAA, S3, Azure Data Factory, Azure Storage, Databricks
Tools: Airflow, Talend, ServiceNow, Power BI, GIT, Informatica, Wherescape, Oracle, MySQL, Dbeaver
Others: ETL, Data Modeling, Data Warehousing, Big Data, Analytics, Terrafrom, Communication

Work Experience

Software Engineer - Big Data   *Pune*
Impetus Technological Solution Pvt. Ltd.   *May 2025 – Present*

Talend EDP Migration | *Python, PySpark, SQL, AWS, Talend*
- Migrated Talend ETL workflows to AWS Glue, transforming legacy data pipelines into serverless, scalable Glue jobs using PySpark and Glue Studio.
- Replaced PostgreSQL with Amazon Redshift as the core data warehouse, optimizing data models and improving query performance for downstream analytics.
- Integrated AWS Managed Workflows for Apache Airflow (MWAA) to schedule and orchestrate Glue jobs.

Wherescape and TD Migration to Glue And Redshift | *Python, SQL, AWS*
- Migrated ETL workflows from Wherescape to AWS Glue ensuring seamless execution in the cloud environment.
- Converted Teradata stored procedures into Redshift procedures, ensuring compatibility and optimization.
- Re-engineered legacy shell scripts into Glue jobs to automate operational tasks such as file movement and email notifications, improving reliability for critical financial data flows.
- Delivered scalable cloud-native pipelines that reduced dependency on on-premise Teradata infrastructure.

Programmer Analyst   *Pune*
Cognizant Technological Solution Pvt. Ltd.   *Dec 2022 – May 2025*

Data and Analytics Managed Services | *Python, PySpark, SQL, AWS, Airflow*
- As a member of a collaborative team, I provide support for existing projects while also working on the development of robust data ingestion pipelines on AWS using PySpark and Spark SQL, AWS EMR services.
- Leveraging Apache Airflow to orchestrate daily data jobs (DAGs) for seamless extraction, transformation.
- My work involves optimizing and Troubleshooting ETL processes to improve performance and reduce processing time and achieving efficient and reliable data.

Database Migrations | *Azure Data factory, Azure Databricks, SQL*
- Assisted in the ingestion of data from SQL Server databases using Azure Data Factory, facilitating seamless data integration and transfer to Azure storage solutions.
- Implemented complex data transformations using Databricks, leveraging the Medallion architecture (Bronze, Silver, Gold layers) to ensure data quality, consistency, and integrity at each stage of processing.
- Using Delta Lake capabilities store processed data for faster and efficient data retrieval.

Certificates and Achievements

Impetus: IAppriciate Award for month of November
AWS: AWS Certified Data Engineer Associate
Azure: Microsoft Certified: Azure Data Engineer Associate

Education

Jain College of Engineering, Belgaum   *Aug 2019 – Aug 2022*
Bachelor's of Engineering, CGPA: 8.5/10