

SAJIM AKHTAR

Data Engineer

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SUMMARY

Experienced Data Engineer with 1+ years of expertise in SQL, ETL, and Python with a focus on ESG domains, proficient in data migration, and dedicated to driving insights for organizational success.

TECHNICAL SKILLS

Programming Languages	Python, SQL, Spark, Java
Database	SQL
Cloud Technologies	AWS, Snowflake, Databricks
Versioning Tools	GitHub
SDLC Methodology	Agile

INDUSTRIAL CERTIFICATIONS

Snowflake	COF-C02-SnowPro Core Certified
Databricks	Databricks Certified Lakehouse Fundamentals
Databricks	Databricks Certified Data Engineer Associate

SKILL

- **AWS** : Familiar with AWS services like EMR, S3, DynamoDB, IAM Roles, and proficient in automating AWS infrastructure using Terraform for DevOps.
- **Snowflake** : Knowledge on Stage(External and Internal), Database, Schema, Tables, Views (Materialized, Non Materialized, secure), Storage Integration, Snowpipe, Time Travel, Data Sharing.
- **Python**: Fair Knowledge on core python and pandas.
- **SQL**: Fair understanding of RDBMS concepts including dimensions, facts, CTEs, SCD Type 1 & 2, constraints, normalization, tables, SQL queries, and joins, SQL fundamentals including DDL, DML, TCL,
- **JAVA** : Proficient in object-oriented principles, including creating classes, objects, and methods, polymorphism, binding (early & late), inheritance, type casting, and encapsulation, abstraction, abstract classes, interfaces, exception handling, Collection.

EDUCATION

- B.Tech (IT) from Bengal Institute Of Technology(TIG) – 2019

EXPERIENCE

- Engaged in a six-month internship at Sensei Technologies (P) Ltd, focusing on Android development.
- Worked as a Data Engineer at Kasmo Technologies Pvt Ltd for one year.

WORK EXPERIENCE

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PROJECT 2: PRESCINTO

NOV 2023 – PRESENT

Project Description:

The project aims to build a comprehensive data management and analytics platform, integrating diverse technologies and cloud services to streamline data extraction, transformation, loading, and analysis, ensuring data quality, security, and accessibility for reporting and analytics.

Roles & Responsibilities:

- Designed and executed robust Spark pipelines for ETL processes, proficiently handling data extraction, transformation, and loading from SQL Server.
- Transformed and loaded data files into AWS S3 in Parquet format, optimizing storage and query performance, and managed external tables in Snowflake for streamlined data ingestion from S3.
- Designed and implemented Snowflake views to provide a user-friendly interface for reporting tools, enabling easy access to insights and analytics, thereby supporting informed decision-making.

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PROJECT 1: GREENHOUSE ANALYTICS

MAY 2023 – NOV 2023

Project Description:

- The "Greenhouse Analytics" project aims to empower organizations with tools and insights for informed decision-making in corporate travel, emphasizing accurate measurement and management of carbon emissions to support sustainability goals.
- The primary objective is to develop an advanced analytics platform seamlessly integrating with company travel data to calculate and report carbon emissions across various travel types, promoting environmental and corporate responsibility objectives.

Roles & Responsibilities:

- Established SharePoint connection with Databricks and developed PySpark pipelines to efficiently load data from Data Lake into Delta Live Tables.
- Developed automated job scheduling workflows in Databricks to streamline and manage routine tasks efficiently.
- Dynamically generate table creation scripts based on file data.
- Implemented a metadata framework utilizing stored procedures for loading data mart tables efficiently.
- Managed code through Git and actively participated in daily Scrum stand-up calls, collaborating with stakeholders including Product Owners, Business Analysts, and Cloud teams.

TRAINING AND CERTIFICATION

- Completed industry training on java and development technologies in J spiders, OLD Airport Road(OAR), Bangalore.
- Successfully completed industry training on Quality Analysis and Automation technologies at Q&J-Spiders, Kolkata.