Kratika Singhal

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Summary

Data Analyst with 2+ years of experience in ETL, migration, optimization and maintenance of data pipelines and applications using Py Spark, Python, SQL, Azure Databricks, Azure Cloud and AWS Cloud, Power Bi, SQL Server.

Skills

- **PROGRAMMING**: Python, SQL
- **BIG DATA FRAMEWORKS**: Py Spark, Hadoop, Azure Synapse
- **ETL TOOLS**: Azure Data Factory (Azure Data Factory)
- **TOOLS AND TECHNOLOGIES**: Snowflake, Lab, Power BI
- **CLOUD SERVICES**: Databricks, Azure Data Lake
- **DATABASES**: SQL Server, Oracle

Experience

Celebal Technologies | Big Data Engineer, Jaipur Jan 2022 – Aug 2024

Client- Multinational Insurance Company | Azure Databricks, Azure Data Factory

- Managed data transformation workflows in Azure Databricks, performing sorting and filtering on 500,000+ records to streamline processes and enable data scientists to make faster, insight-driven decisions.
- Established error-tracking log tables, cutting debugging time by 25% during transformations.
- Converted 50+ Oracle scripts to Spark SQL, improving query performance by 40%.
- Collaborated with cross-functional teams to identify and resolve 20+ critical data quality issues, ensuring high data integrity.
- Standardized data management across medallion architecture layers using reusable stored procedures and log tables, improving consistency by 35%.
- Architected data models, views, and triggers to Power BI dashboards, delivering 3 region-specific sales reports with 10+ KPIs each for 50+ business users.
- Orchestrated data movement from flat files and relational sources to sinks using Azure Data Factory, ensuring seamless integration across systems.
- Documented data models and ETL processes, ensuring smooth knowledge transfer.
- Executed performance optimizations in Azure Databricks, enhancing scalability and efficiency of data pipelines.

Client- Indian Retail Company | Azure Synapse, Power BI

- Developed Azure Synapse Pipelines to unify data sources (SAP, CRM, POS), accelerating migration timelines by 20%.
- Utilized SQL Server dedicated pool to execute truncate and incremental ETL loads, cleansing and structuring 10M+ records for downstream reporting.
- Engineered data models, stored procedures, functions, views, and triggers to support business-critical dashboards.
- Delivered 3 interactive Power BI reports with 10+ KPIs per report, enabling business teams to track sales trends across 3 regions, driving data-driven decision-making.

Client- Private Sector Bank | Azure Synapse, SQL server

- Engineered generic ETL procedures to load data from Oracle databases and flat files, reducing manual effort.
- Migrated and accelerated 50 Oracle scripts into Spark SQL for improved performance and scalability.
- Collaborated with cross-functional teams to identify and resolve 20+ critical data quality issues, ensuring high data integrity.
- Standardized data management across medallion architecture layers using reusable stored procedures and log tables, improving consistency by 35%.
- Automated pipeline status notifications with Azure Logic Apps, reducing workflow validation delays by 60%.
- Documented data models and ETL processes, ensuring smooth knowledge transfer

Education

JECRC University Jaipur, Jaipur Aug 2018 - May 2022
Bachelors of Technology in Information Technology (8.4)

CERTIFICATIONS

Azure Data Engineer Associate (DP-203) Sep 2023
Databricks Certified Engineer Professional Jan 2024
Other: DP-900, AZ-900, Databricks Lakehouse Fundamentals Oct 2022