Sameer Sk

Career Objective

Azure Data Engineer with around 5 years of experience designing scalable cloud data platforms using **Azure**, **ADF**, **Databricks**, **Synapse**, **Fabric**, **Python**, **PySpark**, **SQL**, **Delta Lake**, and **Power BI**. Experienced in developing ETL/ELT pipelines, optimizing data processing, implementing enterprise data warehouses, supporting analytics, ensuring data governance, and collaborating with stakeholders to deliver secure, high-performance, and business-driven data engineering solutions.

Professional Summary

- Collaborated with stakeholders, business users, architects, and project managers gathering requirements, defining solutions, delivering scalable enterprise data platforms using Azure DevOps successfully**.**
- Developed cloud data solutions using **Azure Data Factory**, **Azure Databricks**, Synapse, Fabric, ADLS, Delta Lake, ensuring reliable enterprise integrations with **optimized ETL pipelines** and high availability.
- Utilized **Python**, **PySpark**, SQL, Spark SQL, optimizing transformations, improving query performance, implementing scalable distributed data processing efficiently across environments for large enterprise datasets**.**
- Designed **OLTP**, **Data Warehouse**, OLAP, Data Lake, Delta Lake architectures supporting enterprise reporting, analytics, historical data management, efficiently with scalable data models for enterprise business intelligence**.**
- Developed analytical dashboards using **Power BI**, **Tableau**, SSRS, delivering interactive visualizations, KPIs, executive reports, supporting informed business decisions effectively across multiple business departments**.**
- Implemented **Microsoft Purview**, **Unity Catalog**, metadata management, lineage tracking, auditing, RBAC security, ensuring enterprise governance and regulatory compliance successfully across cloud data platforms**.**

Technical Skills

- **Cloud:** Azure, AWS, Snowflake, Microsoft Fabric, Synapse Analytics
- **BI & Data Analytics:** Excel, SSRS, Tableau, Power BI, Looker, Qlik
- **DWH & Data Storages:** ADLS Gen2, S3, OneLake, MS SQL, SAP BW, CRM, Dataverse, Redshift
- **ETL / ELT:** Azure Data Factory (ADF), SSIS, **Databricks**, Synapse Pipelines, Microsoft Fabric Dataflows, Power Query
- **Scripting Languages:** SQL, Spark SQL, Python, PySpark, BigQuery SQL
- **Automation:** Azure DevOps, CI/CD, Git, Azure Functions, Logic Apps
- **Others:** Jira, SSMS, Visual Studio, Pandas, Azure Monitoring, Log Analytics

Professional Experience

Client: Cliff Services (Intern)| Duration: Jun 2025 to Till date
Role: Worked as a Data Engineer

- Collaborated with stakeholders gathering requirements, analyzing business needs, designing scalable **Azure Data Factory** data platforms, ensuring successful project delivery using **Agile** methodologies across multiple projects.
- Developed robust ETL pipelines using **Azure Data Factory**, implementing parameterized workflows, triggers, incremental loading, scheduling, monitoring, and reusable components efficiently with automated validations.
- Built scalable solutions using **Azure Databricks**, **Microsoft Fabric**, Synapse Spark Pools, processing enterprise datasets through optimized notebook implementations successfully daily for enterprise workloads.
- Implemented complex transformations using **Python**, **PySpark**, Spark SQL, DataFrames, window functions, partitioning, caching, improving processing performance significantly consistently across large datasets.
- Designed enterprise Data Lake architectures using **ADLS Gen2**, **Delta Lake**, implementing Bronze, Silver, Gold layers with ACID transactions effectively supporting scalable enterprise analytics and reporting solutions**.**
- Integrated multiple applications using **REST APIs**, handling authentication, pagination, retries, rate limits, network failures, timeout exceptions, automated logging efficiently successfully with secure connectivity.
- Implemented enterprise governance using **Microsoft Purview**, **Unity Catalog**, metadata management, lineage tracking, auditing, RBAC security, documentation, compliance standards successfully across cloud environments.
- Developed interactive dashboards using **Power BI**, creating DAX measures, KPIs, drill-through reports, scheduled refreshes, supporting executive business decision-making effectively with actionable insights.
- Automated deployments using **Azure DevOps**, **Git**, CI/CD pipelines, ARM Templates, Databricks Asset Bundles, ensuring reliable production releases consistently across environments with deployment automation.
- Monitored production pipelines, resolved incidents, optimized performance, supported deployments, maintained SLAs, documented solutions, collaborated with cross-functional teams, ensuring operational stability**.**

Worked for Infoline System Consulting Company from Oct 2020 to Aug 2024

Client: City of San Jose Council | Duration: Jun 2022 to Aug 2024
Role: Worked as a Data Engineer

- Worked with business stakeholders gathering functional requirements, preparing technical designs, estimating development efforts, delivering enterprise cloud data solutions successfully across multiple enterprise projects**.**
- Engineered scalable ETL pipelines using **Azure Data Factory**, integrating CRM, Cosmos DB, Azure SQL Database, and Amazon S3 with automated monitoring and error handling mechanisms across multiple business systems**.**
- Developed distributed data processing solutions using **Azure Databricks**, **Synapse Spark Pools**, optimizing notebook execution, transformations, workflow orchestration, and scalability for enterprise data workloads**.**
- Processed enterprise datasets using **Python**, **PySpark**, Spark SQL, implementing reusable functions, DataFrames, joins, aggregations, validations, and transformations efficiently across large enterprise datasets.
- Managed enterprise **Delta Lake** implementation using **ADLS Gen2**, enabling schema evolution, time travel, partition optimization, and reliable ACID transactions successfully for enterprise analytics solutions.
- Built resilient integrations using **REST APIs**, resolving authentication issues, pagination challenges, network failures, throttling limits, retries, and timeout exceptions efficiently with secure API connectivity.
- Maintained enterprise governance through **Unity Catalog**, **Microsoft Purview**, metadata management, lineage tracking, audit reporting, security policies, and compliance documentation across cloud data platforms**.**
- Created business intelligence dashboards using **Power BI**, implementing DAX calculations, scheduled refreshes, interactive reports, KPIs, and executive analytical insights effectively through meaningful business insights.
- Automated deployments through **Azure DevOps**, **Git**, CI/CD pipelines, release management, environment configurations, version control, and deployment validations successfully with streamlined release processes.
- Supported production applications monitoring pipeline executions, troubleshooting failures, optimizing workloads, resolving incidents, documenting fixes, and improving operational stability continuously.

Client: Aristotle Capital Management | Duration: Oct 2020 to May 2022
Role: Worked as a MSBI Developer

- Coordinated with business analysts, stakeholders, application teams, collecting requirements, preparing technical specifications, delivering reliable data integration solutions successfully across multiple enterprise units**.**
- Designed ETL workflows using **Azure Data Factory** and **SSIS**, migrating legacy data pipelines into modern cloud architecture, successfully supporting enterprise reporting requirements across business applications**.**
- Implemented scalable processing using **Azure Databricks**, transforming enterprise datasets, optimizing notebook performance, scheduling executions, and validating business rules consistently successfully.
- Developed transformation scripts using **Python**, **PySpark**, SQL, DataFrames, window functions, reusable modules, improving processing efficiency and maintainability across large-scale enterprise data environments**.**
- Created centralized Data Lake repositories using **ADLS Gen2** and **Delta Lake**, supporting historical storage, governance, and enterprise analytics requirements efficiently with scalable and secure architecture.
- Integrated enterprise applications through **REST APIs**, validating responses, handling exceptions, implementing retry mechanisms, resolving connectivity issues, and monitoring integrations across multiple business systems**.**
- Maintained technical documentation, metadata repositories, governance standards, audit reports, and access controls supporting enterprise compliance and operational consistency following organizational policies**.**
- Generated analytical dashboards using **Power BI**, **SSAS**, and SAP BO, enabling executives with meaningful visualizations, KPIs, and business insights effectively supporting strategic organizational decision making.
- Managed source code using **Git**, supporting deployment activities, release coordination, version control, code reviews, and production implementation successfully together across multiple development environments.

Education

Bachelors in Computer science, Jawaharlal Nehru Technological University, Andhra Pradesh Graduation Year: 2015-2019

Masters in MSc Management, Coventry University, London Graduation Year: 2024- 2026

Certifications

Microsoft Certified: Azure Engineer associate (DP-203)
Microsoft Certified: Certified data Engineer Associate