

Rushikesh Lavate

Senior Data Engineer, Genpact

 rushi.lavate@gmail.com  +91 7038338674



SUMMARY

Azure Data Engineer | Databricks Certified Data Engineer Associate

- Over **3 years and 9 months** of experience in ETL processes, Data Modeling, Data Migration and Analysis.
- Proven expertise in taking **ownership and delivering** data development projects using **PySpark, Spark SQL, Databricks, ADF**, and exposure on **Azure DevOps CI/CD** pipelines.
- Skilled in collaborating with Business Analysts (BA), Subject Matter Experts (SME), stakeholders, and cross-functional teams to design and deploy scalable big data solutions aligned with business objectives.

SKILLS

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| <ul style="list-style-type: none">PythonSQLPySparkSpark SQLData/Delta Lake | <ul style="list-style-type: none">DatabricksAzure Data FactoryStructure StreamingGit/Version ControlCI/CD DevOps | <ul style="list-style-type: none">Problem-SolvingTeamworkAgile MethodologiesUnderstanding Business RequirementsStakeholder management |
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PROLFESSIOLNAL EXPERIENCE

Lead Consultant – Senior Data Engineer, Genpact

January 2025– Present

Project: UK Commercial Line Insurances

Duration: January 2025 – Present

Roles and Responsibility:

- Successfully **led the migration** of BDX Insurance data and reports from **SQL Server to Databricks Unity Catalog**, ensuring scalability, governance, and regulatory compliance.
- Migrated raw data and business logic—including **stored procedures, UDFs, and CTEs**—while maintaining data integrity and lineage throughout the process.
- Designed and implemented scalable, production-ready data pipelines using Databricks notebooks, structured according to the **Medallion Architecture** (Bronze, Silver, Gold layers).
- Refactored and **optimized complex logic**, resulting in improved modularity, maintainability, and a **22% increase** in overall processing performance.
- Achieved a **25% enhancement** in data quality post-migration by implementing rigorous validations, data standardization, and robust quality checks within the Lakehouse environment.
- Worked closely with **cross-functional teams**—including Business Analysts, Data Architects, and DevOps engineers—to ensure technical alignment with business goals.
- Actively participated in **Agile ceremonies** such as sprint planning, daily stand-ups, demos, and retrospectives, contributing to timely and efficient project delivery..

March 2022 – December 2024

Senior Analyst - Data Engineer, AXA GBS

Project: UK Commercial Line Insurances

Duration: April 2022 – December 2024

Roles and Responsibility:

- Proficient in implementing and **developing ETL** processes using Azure services including Azure Storage, Databricks, PySpark, and Delta Lake.
- Skilled in designing and developing data pipelines to extract, transform, and load data from diverse sources into Azure data platforms.
- Experienced in migrating legacy system data solutions to Azure cloud, ensuring seamless integration and **optimal performance up to 30%**.
- Exposure in dimensional **data modeling** and schema design, including creating generic tables and business views to facilitate data analysis and decision making.
- Demonstrated ability to **optimize data processing** performance through techniques such as partitioning, broadcast, cache, persist and columnar storage format.
- Hands-on experience in migrating data quality checks and validations from python and PySpark and implementing additional functionalities, which resulted in **75% reduction in execution time**.
- Proven track record of automating data workflows using Azure Databricks, including processing **streaming data, and performing incremental loads**.
- Effective **communication and collaboration** with cross-functional teams including **Business Analysts, Subject-Matter Experts, and Business stakeholders** to understand requirements and deliver solutions aligned with **business objectives**.
- Proficient in **Agile** methodologies, with experience in **handling ad-hoc** requests and delivering high-quality work within sprint timelines.
- Strong problem-solving skills and ability to troubleshoot and resolve issues independently or as part of a team.
- All the mentioned skills and responsibilities have enabled me to take ownership and deliver projects on time with minimal to no bugs post-deployment.
- Dedicated to continuous learning and staying updated with the latest Azure data technologies and best practices.

Project: Verbatim Analysis and

Duration: April 2022 – December 2022

Roles and Responsibility:

- Responsible for end-to-end enhancement of verbatim analysis script.
- Created word to vector model using verbatim data of multiple AXA entities.
- Implement document to vector model using word to vector to represent fix length numerical vectors.
- Migrated Verbatim analysis script from LDA to Clustering algorithm.
- Applied clustering algorithm to group the comments of related topics and validated using silhouette and inertia score.
- Using word importance and word cloud of each topic, added summary points manually for each topic.
- Implemented sentiment analysis using text classification models DistilBERT-base-uncased.

Data Engineer, Krios Info Solution Pvt Ltd

October 2021 – March 2022

Project: Market Basket Analysis

Duration: October 2021 – March 2022

Roles and Responsibility:

- Performed data analysis on market basket data using Spark-SQL and Databricks.
- Calculated three months rolling sales by product to identify trends and patterns in customer behavior.
- Developed SQL queries to compute size two association rule mining and find out combinations of items that occur frequently together in transactions.
- Computed various sales matrices, such as direct and indirect contributions of products, to provide insights for decision-making.
- Worked with SQL concepts, including CURD operation, Stored Procedure, Functions, Windows, and others.
- Utilized Data Factory, Data Lake, and Databricks for data manipulation and integration.
- Read data from Azure Data Lake Storage as Spark Dataframe for analysis and processing.

EDUCATION

BE, Computer Science and Engineering,

Prof Ram Meghe College of Engineering and Management, Amravati-MH-India

August 2017 – March 2021

CERTIFICATION

- Databricks Lake House Fundamental
- Data Engineer with Databricks
- Databricks Certified Data Engineering Associate
- DP 900 – Microsoft Azure Data Fundamental

AWARDS

- Recognized for exceptional performance and significant contributions in Q2 2024 for demonstrating ownership and ensuring timely project delivery.
- Acknowledged for outstanding performance and significant contributions during the Q1 of 2024.
- Recognized for dedicated passion and hard work throughout the month of December 2022