

Abdul Moeez

Data Engineer

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👤 Profile

Highly skilled Junior Data Engineer with expertise in Data Modeling, Visualization, and Big Data technologies. Proficient in Microsoft Power BI, Python, ETL tools, SQL, and cloud platforms like Azure ML. Committed to leveraging technical skills to drive insightful data analysis and business intelligence.

📁 Projects

SQL Expertise: Designing a Robust Data Warehouse for Financial Analysis

Data Transformation and Integration:

- Unified financial data from ERP systems, CRM databases, and Excel spreadsheets into SQL databases.
- Utilized advanced SQL queries and stored procedures for data cleaning, normalization, and aggregation.
- Automated ETL processes for reliable data loading and transformation.

Data Warehousing and Advanced Querying:

- Designed a star schema data warehouse model for optimized financial analysis.
- Created dimension and fact tables for efficient storage and querying of financial metrics.
- Developed complex SQL queries, UDFs, CTEs, and dynamic scripts for insightful financial analysis and reporting.

Data Quality Assurance and Security:

- Established protocols for data validation, ensuring data integrity and accuracy.
- Conducted thorough testing and debugging of SQL scripts and ETL processes.
- Implemented role-based access controls and encryption to secure sensitive financial data.

📖 Courses

Microsoft Power BI, Coursera

January 2023 – June 2023

Data Visualization With Tableau, Coursera

July 2023 – December 2023

💼 Professional Experience

Confiz Limited, Power BI Consultant

December 2023 – present | Lahore, Pakistan

Power BI Development and Management:

- Collaborated with the finance department to manage and maintain financial dashboards in Power BI.
- Oversaw daily operations, including updates, bug resolution, and data accuracy.
- Configured security roles to meet stakeholder requirements, ensuring data confidentiality.

Data Transformation and SQL Integration:

- Transformed Power BI data sources from Excel to SQL databases using advanced queries for data cleaning, transformation, and optimization.
- Ensured efficient data loading processes, maintaining high performance and reliability of the SQL database for accurate reporting.
- Developed and implemented data validation protocols to ensure data integrity and consistency between SQL databases and Power BI reports.

ERP Business Central Integration:

- Collaborated with the finance department to ensure seamless data alignment within ERP Business Central.
- Managed the alignment process and verified data for generating accurate Power BI reports.
- Administered and customized Business Central, addressing finance department requests promptly.

Talent Book Software Development:

- Collaborated with bespoke and finance departments on development and data alignment within the Talent Book software.
- Guided software engineers and participated in data alignment and modeling for Talent Book and Power BI reports, adhering to stakeholder guidance.

🎓 Education

Bachelors in Computer Science, Minhaj University

September 2019 – September 2023 | Lahore, Pakistan