

Nasir Walli Muhammad

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Professional Summary

Experienced SQL Developer, DBA, and Senior AWS Cloud Data Engineer with 8+ years of hands-on expertise in SQL development, data modeling, ETL, and database administration. Strong background in translating complex business requirements into efficient, scalable, and well-structured SQL solutions. Proficient in T-SQL (SQL Server), PostgreSQL, and MySQL with deep understanding of relational database concepts, data warehousing, query optimization, and performance tuning. Experienced in working with stakeholders to implement accurate business logic through SQL code and data transformations.

Core Competencies (Aligned with Text2SQL Role)

- Advanced SQL Development (T-SQL, PostgreSQL, MySQL)
 - Complex Query Writing (Joins, Subqueries, Window Functions)
 - Stored Procedures, Triggers, Views
 - Data Modeling & ERD Interpretation
 - Business Logic Translation into SQL
 - Data Transformation & Aggregation
 - Query Optimization & Performance Tuning
 - Data Validation & Quality Checks
 - Relational Database Design
 - Data Warehousing Concepts
 - Cloud Data Platforms (AWS, Snowflake, BigQuery)
 - Technical Documentation
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Professional Experience

Azure Data Engineer, DBA & Database Developer

Medcare MSO (Azure Data Engineer, DBA & Database Developer) — Lahore, Pakistan

Apr 2024 – Present

- Develop and optimize complex SQL queries, stored procedures, and triggers for healthcare data applications.
- Translate business and reporting requirements into accurate SQL logic.
- Administer and maintain production databases ensuring availability, integrity, and performance.
- Perform performance tuning, indexing strategies, and query optimization.
- Implement backup, disaster recovery, and replication strategies.
- Support data validation and troubleshooting for production systems.

Technologies: SQL Server (T-SQL), Azure VM, Azure SQL, Databricks, Azure Data Factory, Azure synapse, azure gen2 storage and azure vault.

Domain: Healthcare IT

Senior AWS Cloud Data Engineer

Revcloud — Lahore, Pakistan

Jun 2023 – Mar 2024

- Designed and developed SQL-based data transformation pipelines using AWS Glue and Athena.
- Analyzed complex data schemas and collaborated with stakeholders to define data requirements.
- Implemented data aggregation, reconciliation, and validation logic using SQL.
- Optimized queries for performance and scalability in cloud environments.
- Created technical documentation for data models and SQL transformations.

Key Projects:

- **Google Ads Integration**

- Developed SQL-based reconciliation and reporting logic using BigQuery.
- Translated business reporting needs into accurate SQL aggregations and transformations.
- **Facebook Ads Integration**
 - Built SQL transformation pipelines and validation checks.
 - Performed data analysis and business-level aggregation logic.
- **Salesforce Email Events Data**
 - Managed structured data transformations using Athena and Glue.
 - Implemented validation and business-rule-based SQL transformations.

Technologies: SQL, BigQuery, Athena, AWS Glue, S3, Lambda, Step Function, Amazon Event Bridge, Amazon AppFlow, AWS crawler.

Domain: Real estate

Principal Software Engineer

Kavtech Solutions (Pvt) Ltd. — Lahore, Pakistan

May 2022 – Jul 2023

- Gathered business requirements and translated them into ETL and Data Warehouse SQL logic.
- Designed and implemented SQL transformations aligned with dimensional models.
- Optimized SQL jobs and improved transformation performance.
- Reviewed SQL code and ensured adherence to development standards.

Technologies: Postgres SQL, Pentaho ETL Tool, AWS POC's.

Domain: Real Estate

Database Developer

Technevity Solutions — Rawalpindi, Pakistan

Feb 2021 – May 2022

- Wrote complex SQL queries, stored procedures, and optimized database performance.
- Interpreted database schemas and implemented business logic in SQL.
- Provisioned and maintained MySQL and SQL Server instances.
- Performed data migration and transformation tasks.

Key Projects:

- **Epic and Cerner Integration**
 - Implemented SQL-based healthcare data transformations and reporting logic.
 - Ensured data accuracy and compliance with validation standards.
 - **Conversion of VST Balance**
 - Designed centralized database logic replacing distributed syncing.
 - Developed migration scripts and SQL validation checks.
 - **Technologies:** MySql, AWS Crawler, DMS Service.
 - **Domain:** Healthcare IT
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Senior Database Developer

MTBC — Rawalpindi, Pakistan

Feb 2020 – Feb 2021

- Developed stored procedures, triggers, indexes, and constraints using T-SQL.
- Optimized complex queries and implemented indexing strategies.
- Managed backup, replication, and performance monitoring.

Project: Care Cloud Data Analytics

- Worked on cloud-based analytics platform using Snowflake and AWS.
 - Implemented SQL-based transformations and reporting datasets.
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DBA & Database Developer

MTBC — Rawalpindi, Pakistan

Aug 2017 – Feb 2020

- Installed, configured, and maintained PostgreSQL and SQL Server databases.
- Developed and optimized SQL queries for production systems.
- Automated database operations using SQL and scripting.
- Implemented replication, backup, and recovery processes.

Technologies: Postgres SQL, SQL Server, Riverly , Alooma , Jasper soft and Jasper studio, AWS Cloud, SSIS, SSRS.

Domain: Healthcare IT

Software Engineer

MTBC — Rawalpindi, Pakistan

Dec 2010 – Aug 2017

- Delivered SQL-based healthcare data integration solutions.
 - Automated data ingestion and reporting pipelines using SQL Server.
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Education

B.Sc. (Hons) Computer Science

University of Engineering and Technology (UET), Lahore, Pakistan

2006 – 2010

Technical Skills

SQL Dialects:

- T-SQL (SQL Server)

- PostgreSQL
- MySQL

Database Concepts:

- Relational Database Design
- Data Modeling & ERDs
- Query Optimization
- Stored Procedures & Triggers
- Data Warehousing & Dimensional Modeling
- Data Transformation & Aggregation

Cloud & Analytics:

- AWS (Glue, Athena, S3, Lambda)
- Google BigQuery
- Snowflake

Programming:

- Python
- SQL

Languages

- English – Business Fluent
- Urdu – Native