SQL DEVELOPER

M MADHAN MOHAN

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Professional summary

SQL Developer with 4+ years of experience writing and optimizing complex queries, stored procedures, and functions. Skilled in performance tuning, query optimization, and database design to support reporting and business analytics. Experienced in handling large datasets and ensuring data accuracy for critical business operations.

Key highlights

SQL Expertise:

- Proficient in SQL commands (DDL, DML, DQL, TCL) and operators
- Skilled in creating constraints, joins, and set operators
- Experienced in using system functions (string, date, aggregate, cast/convert, rank) and SQL Server features:
- Subqueries, CTEs, recursive CTEs, temp tables, table variables, views
- Stored procedures, user-defined functions, triggers (for and instead of)
- Error handling, TCL, indexing, and performance tuning
- Dynamic SQL (EXECUTE SQL, SP_EXECUTESQL)
- Good Knowledge on STRING FUNCTIONS, DATE FUNCTIONS, AGGREGATE FUNCTIONS and RANK FUNCTIONS.
- Good Knowledge on WHILE LOOPS, DYNAMIC SQL.
- Experience on Normalization concepts.
- Knowledge in data transformations like SORT, DATA CONVERSATION, UNIONALL, MULTICAST LOOKUP, DERIVED COLUMN, CONDITIOONAL SPLIT.

Technical profile

- **Operating Systems:** Windows 7, Windows 8, Windows 10, Windows 11.
- **Databases**   : Microsoft SQL Server 2008R2 ,2012, 2016, 2019
- **ETL**   : SSIS

Education qualification

- **Bachelor of Commerce 2013**.

Career profile

- Currently working in IN TANAMA SOFTWARE PRIVATE LIMITED,BANGALORE.

Project 1

Role: SQL Developer

Project Title: Customer Account & Transaction Management System

Client: JP Morgan

Description:

The goal of this project was to manage customer accounts and daily transactions in a structured SQL Server environment. It aimed to support operations like opening accounts, updating customer details, processing deposits/withdrawals, and maintaining transaction history.

Roles and Responsibilities:

- Inserted and updated customer and account data using T-SQL scripts during onboarding and regular banking operations.
- Created stored procedures to handle deposits, withdrawals, and balance checks with proper transaction handling.
- Used dynamic SQL to build flexible queries for account search based on multiple filter options like account type, branch, customer name.
- Handled XML inputs from the mobile banking app to process transaction data in bulk.
- Imported customer and transaction records from Excel and flat files using SQL Server Import Wizard for data migration and audits.
- Tuned slow-performing queries by analyzing execution plans and creating non-clustered indexes on key columns.
- Conducted performance tuning by analyzing execution plans and rewriting queries to reduce response times on critical reports.

Project 2

Project Title: Patient Management System

Client: Stanley black and decker

Role: SQL Developer

Description:

Designed and developed a comprehensive SQL database system to manage patient information, appointments, treatments, and billing for a multi-specialty hospital. The system aimed to improve data accuracy, automate routine operations, and enable detailed reporting to support hospital administration and healthcare providers.

Roles and Responsibilities:

- Developed complex SQL queries involving multiple joins, subqueries, and aggregations to generate operational and management reports.
- Created stored procedures to automate appointment booking, billing calculations, and patient status updates, ensuring process consistency and reducing manual effort.
- Implemented triggers to enforce data integrity, such as updating patient discharge status automatically and preventing scheduling conflicts.
- Developed SQL views for simplified access to frequently used datasets like patient summaries and doctor schedules.
- Applied indexing and query optimization techniques to enhance database performance, ensuring efficient data retrieval for large volumes of records.
- Managed data integrity using constraints, foreign keys, and triggers, maintaining consistency across interrelated tables.

Technologies & Tools:

- **Database:** Microsoft SQL Server, Oracle
- **Task Management:** JIRA
- **Data Types & Languages:** T-SQL, Dynamic SQL, XML

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

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