KEERTHI MADDINA

Database Test Engineer

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A dedicated Database Test Engineer and Trainer with 2.5 years of practical experience in testing and validating relational databases using Oracle and MS SQL Server. Proficient in developing and executing complex SQL queries, verifying stored procedures, and ensuring data integrity across diverse systems. Committed to delivering high-quality results and passionate about mentoring professionals in SQL, database testing methodologies, and data quality best practices to enhance system performance and reliability.

💼 Professional Experience

Database Test Engineer, *TestYantra Software Solutions Pvt.Ltd*   Bangalore, India

🧠 Technical Skills

Databases: Oracle 10g,11g, 21c, 19c, 23ai,Microsoft SQL Server 2019
SQL Tools: SQL Developer, SQL Server Management Studio (SSMS)
Languages: SQL, PL/SQL
Testing Areas: Data validation, schema testing, stored procedures, triggers, joins, subqueries, normalisation
Version Control: Git, GitHub
Operating Systems: Windows

📁 Projects

Project:ATM Management System (Integrated with Oracle 19c)

Technologies: HTML, Python, Django, Oracle 19c

- Designed and implemented an ATM application supporting full CRUD operations such as account creation, PIN generation, deposit, withdrawal, balance inquiry, and account deletion.
- Configured and connected the Oracle 19c database with proper listener and service name settings for smooth middleware communication.
- Developed the frontend using HTML for user interactions and Django as the middleware for business logic and request handling.

- Created and tested SQL queries, stored procedures, and triggers to ensure accurate data storage, retrieval, and transaction validation.
- Conducted backend testing to verify data integrity and transaction consistency during concurrent operations. Optimised database performance and validated CRUD operations through structured SQL testing in Oracle 19c.

Tools & Technologies:

• **Frontend:** HTML

• **Middleware:** Python, Django

• **Database:** Oracle 19c

• **Query Language:** SQL, PL/SQL

• **Database Connectivity:** Oracle_db, Listener & Service Configuration

• **Testing Focus:** CRUD Operations (Create, Read, Update, Delete), Stored Procedures, Triggers, Data Validation

• **Environment:** Windows, Oracle SQL Developer

Languages

English   Hindi   Telugu