



 Hands-on Workshop

MICROSOFT SQL SERVER DBA

 August 22nd 2026

 MovenPick Hotel, Karachi

 Investment:
Rs. 44,500

Workshop Overview

Mission-critical database systems — particularly in banking and financial services — demand DBAs who do more than keep the lights on. This training builds, or sharpens, the full operational skill set required to run Microsoft SQL Server in a regulated, high-availability, on-premises environment: from the architecture that underpins every decision, to the daily discipline of monitoring, maintenance, and incident response.

The program is grounded in a clear standard: a DBA in a banking environment is measured not by whether the database runs, but by whether it remains secure, recoverable, and available under pressure. Each module is built around that standard, equipping participants with practical, defensible operational judgment — the kind needed to respond to an incident, demonstrate control compliance to an auditor, or provide evidence of a properly tested failover.

Pre-Requisites

The participants having at-least 2 years of experience of Databases or IT Infrastructure or Application Support



Program Trainer

Muhammad Rizwan Yasin

Additional Director IT | Government Institution

Rizwan Yasin, Sr. Database Consultant with extensive experience of about 20+ years served at senior levels as Head of Databases, in both private and government organizations, including within the banking sector, where he has managed large-scale, mission-critical database environments end to end — from architecture and performance optimization to security, high availability, disaster recovery, and regulatory compliance.

Who Should Attend

This program is built for technical staff who already operate or support SQL Server in production, not as a first introduction to databases. It assumes working familiarity with T-SQL, basic server administration, and day-to-day DBA tasks.



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Course Outline

Module	Content Covered
Kick-off	Introduction, Agenda, objectives, lab environment check
Architecture	Protocol/Relational/Storage layers, pages/extents/files
Server/Instance Mechanism	Default vs named instances, services, memory/scheduling
Version & Edition Comparison	2012–2025 feature matrix, Standard vs Enterprise
System Databases	master, model, msdb, tempdb, resource DB
Recovery Models	Simple/Full/Bulk-Logged, banking implications
Security + Encryption	Auth modes, principal hierarchy, RLS/DDM, key hierarchy, TDE/Always Encrypted Lab 1
Backup & Recovery	Backup types, restore sequence, Lab 2
HA/DR	AG concepts, RPO/RTO + Lab 3 Configure/fail over an AG
Auditing & Profiling	SQL Audit, Extended Events
Upgrade/Migration + Archiving	DMA/DEA, partitioning, switch-out
Maintenance, sp_* Procedures, Performance Tuning	Index/stats/CHECKDB, sp_help/sp_spaceused/sp_who2 reference, Query Store
Monitoring Tools	Native vs third-party landscape

Audience	Why This Training Fits
Database Administrators	Core audience — deepens architecture, security, HA/DR, and performance diagnostic skills for production ownership
Infrastructure / Systems Engineers	Supports SQL Server instances at the OS/cluster level and needs to understand engine-level dependencies
Application Support Teams	Troubleshoots data-layer issues for banking applications and needs to speak the same language as the DBA team
IT Security / Compliance Staff	Needs to understand how encryption, auditing, and access control are implemented at the database layer
IT Managers overseeing data platforms	Benefits from grounding in what “good” looks like operationally, to set realistic expectations and audit findings in context

