

MUSTAFA ABDULRAHMAN

DATABASE EXPERT | CONSULTANT | TECHNICAL TEAM LEADER

CONTACT

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 [Bold Profile](#)

WEBSITES, PORTFOLIOS, PROFILES

- [@Elmasrydba](#)
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- <https://mostafaelmasry.com/>

CERTIFICATIONS

Microsoft Azure Administrator AZ-103

Microsoft Azure Database Administrator

Microsoft Azure Data Engineer

Microsoft Azure Data Fundamentals

Microsoft Certified Trainer 2020-2021

Microsoft Certified Trainer 2021-2022

MCSE: Data Management and Analytics - Certified 2020

MCSA: SQL 2016 Database Administration - Certified 2020

Microsoft Certified: Azure Fundamentals

Microsoft certified technology specialist

SQL Server 2008 Microsoft certified technology specialist

Seasoned Database Consultant and Team Leader with 15+ years of experience architecting, migrating, consolidating, tuning and automating mission-critical database environments using T-SQL and PowerShell. Proven expertise across on-premises and cloud platforms, driving high-availability and disaster-recovery solutions. Holds multiple Microsoft certifications (MCTS, MCITP, MCSA, MCSE for SQL Server 2008 & 2016; Azure Administrator, Database Administrator, Data Engineer) and is a Certified Microsoft Trainer (MCT). Recognized by Microsoft as an Azure Content Hero, Community Hero, and Mentor. Strong communicator and problem solver—adept at defining strategy, setting goals, delivering training, and building consensus to lead teams toward shared vision and operational excellence Subject Matter Expert and trusted advisor skilled in research, analysis and examination of company technology and standard operating procedures. Interface and collaborate with clients and internal team members, providing consultative enhancement recommendations based on industry research. Improve existing processes, procedures, technical enhancements, resource requirements, and stakeholder engagement procedures to align with strategic goals.

WORK HISTORY

September 2021 - Current

Database Subject Matter Expert (Team Leader) Al-Rajhi Bank, Riyadh, Saudi Arabia

- Managed Nutanix Database Platform (NDP) clusters to optimize performance, ensure scalability, and maintain high availability.
- Designed and executed performance-improvement plans, driving continuous optimization of database systems.
- Analyzed complex technical challenges using critical thinking, evaluated alternatives, and made data-driven decisions.
- Oversaw a portfolio of 300+ SQL Server instances in high-transaction environments, including terabyte-scale databases.
- Administered and supported PostgreSQL, Oracle Cloud, and Azure SQL platforms alongside SQL Server.
- Maintained mission-critical core business databases (T24, CRM, CTF), ensuring 24/7 uptime.
- Automated routine and complex tasks through advanced PowerShell scripting, reducing manual effort and errors.
- Architected and implemented a comprehensive, automated monitoring solution for all production servers using PowerShell, delivering real-time metrics, alerts, and reporting.
- Developed and deployed ETL solutions with SSIS, SSAS, and SSRS for robust data integration and reporting.
- Expertly tuned queries, indexes, and configurations to maximize database efficiency and throughput.
- Troubleshoot and resolved deep-level database issues, minimizing downtime and performance degradation.
- Executed full lifecycle database administration and development activities, from schema design to deployment.

SQL Server 2008 Database Development

SQL Server administration MCTIP 2008

SQL Server Development MCTIP 2008

Microsoft certified professional

ACCOMPLISHMENTS

- My Azure Articles:
<https://lnkd.in/edn6nyY/#AllAzurePosts>.
- Microsoft Azure Hero 3X:
<https://mostafaelmasry.com/about-me/#MicrosoftAzureHero>.
- Founder of Database Cloud Tech blog:
<https://mostafaelmasry.com/>.
- Founder of SQLIdol website:
<http://www.sqlidol.com/team/mustafa-el-masry/>.
- My Articles on SQLShack:
<https://www.sqlshack.com/author/mustafaelmasry/>.
- Founder of LinkedIn Group:
<https://www.linkedin.com/groups/8406281/>.
- My Certifications:
https://www.youracclaim.com/users/_/badges.
- Other Certifications:
<https://skillsoft.digitalbadges.skillsoft.com/profile/mustafaelmasry/wallet>.
- One of the top bloggers on the Middle East in SQL Server: Around 300 SQL Server Article, also I have Arabic posts on Microsoft MSDN.
- <Https://msdn.microsoft.com/ar-sa/library/dn974980.aspx>.
- <Https://msdn.microsoft.com/ar-sa/library/mt131032.aspx>.
- <Https://msdn.microsoft.com/ar-sa/library/mt147014.aspx>.
- <Https://msdn.microsoft.com/ar-sa/library/mt131033.aspx>.
- <Https://msdn.microsoft.com/ar-sa/library/mt131034.aspx>.

SKILLS

Database Expert

SKILLS

Team leadership expertise



SQL database expertise



- Implemented and managed high-availability and disaster-recovery architectures, including Always-On multi-subnet failover clusters and EMC storage replication

November 2018 - August 2021

Senior Data Engineer *Bank Albilad*, Saudi Arabia, Saudi Arabia

- Managed core business and T24 core banking SQL Server databases, ensuring optimal performance, reliability, and 24/7 availability.
- Implemented industry best practices for core banking environments, including configuration hardening, security administration, encryption, and proactive alert management.
- Oversaw ~200 SQL Server instances across Production, Development, Testing, and UAT in both Primary (PDC) and Secondary (SDC) Data Centers.
- Automated routine and complex administrative tasks for all 200 instances using PowerShell-driven SQL automation, reducing manual intervention by 80%.
- Configured centralized monitoring and alerting solution via PowerShell scripts, delivering real-time health metrics and automated remediation for banking SQL Server environments.
- Administered and maintained SSIS, SSAS, and SSRS services in PDC and SDC, supporting ETL workflows and enterprise reporting.
- Managed Data Hub ETL and database servers for T24 core banking, ensuring seamless data integration, load balancing, and operational continuity.
- Supervised and optimized CRM and SharePoint databases to support critical enterprise applications, improving query performance by up to 40%.
- Applied advanced diagnostic techniques across network, OS, and virtual machine layers, swiftly troubleshooting and resolving complex system issues.

April 2015 - October 2018

Principal Database Administrator *Ministry of Health*, Saudi Arabia, Saudi Arabia

- Managed end-to-end MOH database services (SSIS, SSAS, DWH, SSRS) across Development, Testing, and Production, ensuring 24/7 availability.
- Developed and validated backup/restore strategies to meet RPO/RTO objectives, and diagnosed/resolved after-hours SQL Server outages with 100% SLA compliance.
- Architected and maintained high-availability and disaster-recovery solutions (clustering, Always On AGs, mirroring, replication, log shipping).
- Implemented and fine-tuned centralized monitoring and alerting with PowerShell and native tools, reducing false alarms by 85% and enabling proactive issue resolution.
- Generated daily OSA and weekly PPO reports, and collaborated on monthly OS patching with the systems team to ensure seamless updates.
- Reviewed and deployed third-party database change scripts, enforcing company standards for readability, reliability, and performance.
- Conducted full database assessments and performance-tuning—index optimization and T-SQL query tuning—improving throughput by up to 40%.
- Built data-engineering solutions to accelerate ETL workflows, optimize data-warehouse/mart performance, and streamline online archiving.
- Leveraged DMVs and advanced diagnostics to troubleshoot hardware, OS, and VM issues, and documented the database

Team collaboration and leadership



Data Technology



SQL expertise



Database troubleshooting



Data privacy compliance



Query optimization



Database design



Data migration



Capacity planning



Automation



LANGUAGES

Arabic



Native or Bilingual



English



Professional Working



environment for scalability and maintainability.

July 2013 - March 2015

Senior Database Architect *Ministry of Higher Education*, Riyadh, Saudi Arabia

- Managed 35+ SQL Server clusters (Testing, Staging, Production)—including 13 production clusters—and administered 1,200 MOHE databases (500 in production), with individual database sizes up to 5 TB.
- Architected, installed, configured, and upgraded SQL Server 2005–2014 (side-by-side and in-place) with online migrations and archiving, tailoring file structures, filegroups, and HA solutions (clustering, Always On AGs, mirroring, log shipping).
- Oversaw three Always On Availability Groups, 20+ transactional replications, and five log-shipping configurations to deliver continuous availability and data consistency.
- Conducted weekly performance reviews—analyzing top-10 resource-intensive queries and index health (design, usage, size, fragmentation)—and implemented tuning changes that consistently boosted query throughput.
- Monitored production health and optimized T-SQL and DWH operations, leveraging DMVs and advanced diagnostics to ensure reliability, scalability, and system efficiency.
- Delivered exceptional support services by providing timely resolution to critical issues affecting database availability or integrity.

January 2013 - June 2013

Senior Database Administrator and Laserfiche Admin *Ministry of Social Affairs*, Riyadh, Saudi Arabia

- Installed, configured, and upgraded SQL Server instances (including clustering) to support enterprise environments.
- Managed security and access for 20 databases across 120 KSA branches, implementing role-based permissions and encryption.
- Designed and maintained database schemas—filegroups, constraints, indexes, stored procedures, triggers, and views—to ensure optimal functionality and data integrity.
- Automated maintenance and recovery workflows via SQL Server Agent jobs, alerts, and operators, and developed comprehensive backup and restore strategies.
- Monitored system and T-SQL performance using Profiler, Performance Monitor, DMVs, SQLIO, and Deadlock Detector to optimize DWH and OLTP workloads.
- Administered Laserfiche archiving solutions, enhancing T-SQL processes for efficient data retention and retrieval.
- Championed best practices across the organization, leading to a consistent approach to database management and security measures.

May 2010 - October 2012

Database Engineer *Safe ERP Solution*, Riyadh, Saudi Arabia

- Designed and implemented comprehensive backup and recovery strategies—including mirroring (SQL Server 2008), log shipping, and replication—to meet RPO/RTO requirements and ensure data integrity.
- Installed, configured, and upgraded SQL Server (2005–2012) and Windows Server (2003–2012) instances, including clustering and high-availability solutions.
- Authored internal documentation covering database architectures, HA/DR designs, security policies, and auditing procedures to standardize operations and compliance.

- Automated routine administration and troubleshooting tasks with PowerShell, managing Active Directory, DNS, DHCP, TCP/IP, and NAT services to streamline system maintenance.
- Performed daily system health checks—monitoring server/application logs and data-center environmental metrics—and resolved hardware, OS, and network issues to sustain 24/7 uptime.
- Administered end-user environments by installing, upgrading, and troubleshooting Microsoft Office applications and PC hardware, supporting seamless business operations.

June 2008 - March 2010

Database Engineer *Business Analysis Group*, Egypt, Egypt

- Installed, configured, and maintained SQL Server 2005/2008 instances, designing database architectures—including filegroups, constraints, indexes, stored procedures, triggers, and views—to support application requirements and scalable performance.
- Implemented and managed high-availability and disaster-recovery solutions (log shipping, replication, mirroring) and enforced database security, auditing, and encryption policies.
- Developed, documented, and tested backup and recovery strategies to meet RPO/RTO objectives, ensuring data integrity and rapid restoration.
- Proactively monitored and troubleshooted database and server issues, performing T-SQL and index tuning to optimize throughput and reliability.
- Authored comprehensive technical documentation and standard operating procedures to standardize deployments and streamline team operations.

EDUCATION

June 2002 - April 2008

Bachelor of Commerce (B.Com.) Accounting And Finance

Mansoura University, Egypt, Egypt