Mehedi Amin

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Senior SQL Database Administrator

Summary

Highly skilled Lead SQL Database Administrator with 9+ years of experience in database management, cloud migration, and performance optimization. Proven ability to manage high availability systems, ensure data security, and automate tasks with PowerShell and T-SQL. Skilled in AWS, Azure, SSIS, SSRS, and Power BI for data integration and reporting. Successful track record leading teams and improving processes for increased efficiency and cost savings.

Technical Skills

- Database Management: SQL Server (2005-2021), MySQL, MS Access.
- Cloud Platforms: AWS, Azure.
- Scripting: PowerShell and T-SQL
- SQL / Tools: Query Analyzer, Profiler, SSRS, Power BI, MS Visio, MS Excel, Rubrik.
- Operating Systems: Windows Server, VMware.
- Performance Monitoring: Profiler, Execution Plan, DMV, PerfMon, Extended Event, Ignite.
- Security: Transparent Data Encryption (TDE).

Professional Experience

Black Knight Inc. (Recently acquired by Intercontinental Exchange ICE)
Lead Senior SQL Engineering DBA   **(Jan 2017 to Present)**

- Data & Analytics Management: Oversaw Data & Analytics divisions, including Data Aggregation, Sitex, and MLS, contributing to a combined **annual revenue of approx. $250 million.** Successfully integrated newly acquired business units into the primary datacenter, leading to the closure of outdated datacenter.
- Database Administration: Managed high availability systems including clustering and mirroring, ensuring continuous uptime. Implemented comprehensive **backup and security measures** to safeguard data integrity.
- Cloud Solutions and Migration: Managed AWS RDS and Azure SQL databases, optimizing resource utilization, and **led the migration** of Data & Analytics products to AWS, **reducing operational costs by 25%** through the implementation of on-demand recovery servers.
- Reporting: Designed and built Power BI dashboards to provide r**eal-time business analytics**, enabling **data-driven decision-making**.
- Process Improvement:Designed and implemented automated business processes, improving service delivery quality and reducing operational risks, **resulting in a 20,000 man-hour annual savings across departments**.

- Disaster Recovery: Rearchitected disaster recovery methodologies, significantly reducing **application recovery time by 87% and database recovery time by 97%**.
- Incident Management: Partnered with the Incident Management team to refine escalation models, achieving an 80% reduction in Mean Time To Resolution (MTTR).
- Productivity Enhancement: **Improved team productivity by 70% by introducing automated work processes** and providing regular training sessions, eliminating the need for additional headcount to manage increasing workloads.
- Performance Tuning: Utilized SQL Profiler and Dynamic Management Views (DMVs) for **proactive monitoring and performance tuning**, enhancing database efficiency.
- Automation: Developed and implemented PowerShell scripts for routine maintenance tasks, streamlining operations and reducing manual effort.
- Data Integration: Created and managed SSIS packages for integrating data from diverse sources, improving data flow and accuracy.

Interactive Resources LLC
SQL Database Administrator   **(Oct 2014 to Dec 2017)**

- Client Onboarding: **Achieved a 95% reduction in implementation time** for onboarding new Originations clients through effective cross-functional team collaboration.
- Database Migration: Led the migration of Oracle and MySQL databases to SQL Server, enhancing operational efficiency and **automating critical tasks**.
- **SQL Server Management**: Installed, configured, and patched SQL Server environments.
- Disaster Recovery & High Availability: **Developed comprehensive backup and recovery plans**, and managed mirroring, failover clustering, and log shipping.
- **Performance Monitoring**: Used DBCC commands for database maintenance.
- Data Modeling: Created models using ERWin and Toad Data Modeler.
- Patch Management: Applied service packs and updates to SQL Server and Windows environments.
- Database Upgrades: Migrated and upgraded SQL Server versions, improved query performance.

Education

- **BBA**: Bachelor of Business Administration | Darul Ihsan University, Bangladesh
- **MBA**: Master of Business Administration | Darul Ihsan University, Bangladesh

Training

- AWS Certified Solutions Architect - 2024
- Microsoft Certified: Azure Database Administrator Associate 2023
- Microsoft Certified: Data Analyst Associate (Power BI) 2023
- Brent Ozar Fundamentals & Mastering Class -2023