Macdonald Adakole Alechenu
Database Administrator

Email: macdonaldthegenius@gmail.com | **Ph. no: +1 (210) 508 4737** | LinkedIn

PROFESSIONAL SUMMARY

- Dedicated and highly skilled Database Administrator with 5+ years of experience managing and optimizing SQL Server environments across production, test, development, and clustered setups.
- Expertise in SQL Server installation, upgrades, performance tuning, high availability, disaster recovery, security, and automation using PowerShell, with extensive experience in Microsoft Azure cloud migrations and storage solutions.
- Proven success in delivering results in agile environments, both independently and as part of a team, with strong problem-solving and communication abilities.
- Experienced Application Support Engineer with a strong background in diagnosing and resolving complex technical issues in software applications.
- Proficient in SQL, Linux, and Windows environments, with expertise in process automation, product installations, upgrades, and root cause analysis. Adept at providing exceptional end-user support and product training, maintaining SLAs, and improving customer satisfaction.
- Skilled in architecting secure, scalable cloud solutions on AWS, using Infrastructure as Code tools like CloudFormation and Terraform, and automating configuration management with Systems Manager and Ansible.
- Strong cloud security expertise in IAM and governance, with a focus on compliance, monitoring, and event management. Delivered successful cloud projects by optimizing cost, performance, and reliability to meet business goals.

SKILLS

- **SQL SERVER INSTALLATION, CONFIGURATION AND MAINTENANCE**
- **UPGRADE FROM SQL SERVER 2016 AND 2019 TO SQL SERVER 2022**
- **DATABASE DESIGN AND OPTIMIZATION**
- **ON-PREMISES TO CLOUD MIGRATION(AZURE)**
- **PERFORMANCE TUNING AND QUERY OPTIMIZATION**
- **POWERSHELL AUTOMATION FOR SERVER PROCESSES**
- **SQL SECURITY AND USER MANAGEMENT**
- **HIGH AVAILABILITY(HA) AND DISASTER RECOVERY(DR) SOLUTIONS (FAILOVER CLUSTERS, ALWAYS ON AVAILABILITY GROUPS, REPLICATION, DATABASE MIRRORING, LOG SHIPPING)**
- **SQL SERVER INTEGRATION SERVICES(SSIS) AND ETL PROCESSES**
- **SQL SERVER REPORTING SERVICES(SSRS) AND SQL SERVER ANALYSIS SERVICES(SSAS)**
- **MICROSOFT AZURE CLOUD TECHNOLOGIES**

PROFESSIONAL EXPERIENCE

HAWORTH   **FEB 2022**
Database Administrator

- Installed and configured SQL Server instances following Microsoft best practices and company policies. Managed and optimized Azure SQL Databases to improve cloud infrastructure efficiency. Led database migration projects, including design and data migration to data warehouses, with minimal downtime.
- Automated routine tasks using SQL Server Agent and PowerShell, enhancing operational efficiency. Performed performance tuning, troubleshooting, and query optimization with tools like Idera and SolarWinds. Configured and maintained HA/DR solutions such as Always On Availability Groups and Log Shipping.
- Successfully migrated on-premises databases to Azure and Oracle databases to SQL Server using SSMA. Designed T-SQL scripts for data migration and managed database backups, restores, and refreshes.
- Provided technical support to developers, analysts, and project managers while enhancing T-SQL code for better integration.
- Ensured proper database maintenance, including backups, index maintenance, consistency checks, and statistics updates.
- Upgraded SQL Servers from 2019 to 2022, applied patches, and participated in on-call rotations for production support.
- Used vSphere snapshots before production changes to ensure system safety and managed deployment of developer scripts.
- Implemented Azure Automation Runbooks to streamline maintenance tasks and scale operations.
- Applied SQL security best practices, including least privilege access, data encryption (TDE, Always Encrypted), and DDM.
- Maintained thorough documentation for database configurations and troubleshooting, while pursuing ongoing education in Azure trends. Proficient in utilizing tools such as Query Store, SSMS, SQL Profiler, Extended Events, SolarWinds, and IDERA for database management and performance monitoring. Skilled in SSIS, SSRS, Agile methodologies, and experienced with cloud technologies in both Azure and AWS.

ALLIED UNIVERSAL   **SEP 2019 – JAN 2022**
SQL Database Administrator

- Led the migration of on-premises databases to Azure using Data Migration Assistant, Replication, and Transactional Replication, ensuring minimal downtime and data integrity.
- Provided full database administration across QA, Staging, and Production environments, both on-premises and cloud-based, to optimize performance.
- Managed application upgrades and patching on Windows and Linux servers, ensuring compliance with security standards.
- Delivered end-to-end support for applications like COPIENT, ensuring system stability on Windows and Linux.
- Engineered and managed Azure databases and Elastic Pools, optimizing resource allocation and performance. Enforced stringent security protocols and performed hardening procedures to safeguard platform data.
- Administered Azure cloud infrastructure, including virtual machines, storage accounts, Elastic Pools, Azure Vault, and Geo-Replication for high availability and resilience.
- Monitored system performance, cost efficiency, and reliability, making data-driven decisions to enhance cloud operations.
- Implemented High Availability (HA) and Disaster Recovery (DR) strategies with Geo-Replication for business continuity.
- Organized cloud resources through tagging and resource group creation for efficient management. Upgraded Azure virtual machines to Premium Storage Accounts, patching and validating performance.
- Managed Azure SQL Managed Instances, enabling seamless migration from on-premises SQL databases to Azure. Conducted health checks on SQL Server databases and implemented performance optimization best practices. Planned and tested software upgrades, including SQL Server version upgrades.
- Monitored and optimized database performance, resolving performance issues and anomalies. Developed and maintained secure, high-availability databases across development, testing, and production environments.
- Automated backup and recovery strategies to minimize data loss and ensure quick recovery. Managed database security through user access control, encryption, and regular audits.
- Supported developers, analysts, and project managers, ensuring smooth database operations. Wrote and optimized complex T-SQL queries for data retrieval, updates, and reporting. Administered database backups, restores, and migrations to ensure seamless continuity.
- Performed performance tuning, troubleshooting, and optimization to resolve issues like deadlocking, replication, and connectivity. Deployed SSIS packages in production environments and mentored team members on issue resolution.
- Maintained detailed documentation for SQL Server processes using Confluence, SharePoint, and OneNote.
- Stayed current with SQL Server releases and advised on upgrades for system integrity. Participated in on-call rotations to provide after-hours support.

CERTIFICATION & AWARDS

- **CompTIA A+**
- **Microsoft PowerShell Certification**
- **Microsoft Certified: Azure Fundamentals**
- **Microsoft Technology Associate –Database Fundamentals – MTA**

EDUCATION

- **Bachelor of Science in Engineering - Enugu State University of Science and Technology, Nigeria — 2016**