**Venkata Sai Rakesh B**

**SQL SERVER DATABASE ADMINISTRATOR**

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**SUMMARY**

* 8+ Years of experience in **Microsoft SQL Server Database Administration**
* Experience in **SQL Server Installation and Configuration, Database Migration, Backup and Recovery, Performance Tuning, Database Compression**
* Experience in Configuring high availability **SQL Server solutions - Always On** Availability Group, Log shipping, Replication and Windows clustering
* Built and managed SQL Server in **Azure Iaas** and Paas environment
* Experience with Azure SQL Database, including provisioning, scaling, and monitoring
* Strong understanding of RDBMS concepts as well as **Data Modeling Concepts.**
* Excellent **SQL Server administration** skills including **Database Creation, Tables, Indexes, and Clusters Creation.**
* Knowledge of writing **T-SQL (DDL, DML, and DCL**) statements.
* Experienced in DBA activities including Installing & maintaining SQL Server database system, **Logical/Physical database design and administration**, **Backup and Recovery, Log Shipping, Database Mirroring, and Performance Tuning.**
* Experience in BI Development and **Deployment of SSIS packages** from MS Access, and Excel.
* Experience in implementing **Full, Transaction Logs and Differential backups**.
* Extensively used native tools like index tuning wizard, database tuning advisor, profiler, performance monitor, activity monitor, and event viewer for performance analysis.
* Experience in Client/Server **SMTP SERVER** Connectivity, Database health Check, Indexing, and Updating Statistics.
* Configured for Database Mail setup and received Alerts for the Threshold values
* Extensive use of **DTS in SQL Server, Performance Tuning and Application Design, Disaster Recovery Planning, Security Management, and Managing servers and clients.**
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* Worked on SQL Server Database in the development, testing, and production environments.
* Supported teams in resolvin**g SQL Server Reporting Services and T-SQL-related issues.**
* Experienced in **Performance Tuning, Query Optimization, Client/Server Connectivity, and Database Consistency Checks using DBCC Utilities.**
* Experience in SQL Server concepts **SSIS (Integration Services), SSAS (Analysis Services) and SSRS (Reporting Services).**
* Experience in usage of DBCC commands and DMV’s for Performance Tuning.
* Good knowledge of **database performance tuning using Profiler, Query Execution Plan, and Database Engine Tuning Advisor.**
* Experience with **Databricks notebooks** andclusters for data processing and analysis.
* Experienced in developing and managing stored procedures, Triggers, Indexes, views, Data Transformation Services, and Locking.
* Knowledge of Azure SQL Data Warehouse for processing large volumes of data
* Implementing **CR (Change Request) and CA (Change Amendments)** requested by users
* Good communication and interpersonal skills, accustomed to working in a team environment with tight schedules, capable of working efficiently under pressure.
* Quick learner and good performer; works well independently and on a team.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Operating Systems** | Windows Server 2012/2008, 2016 Windows 7/Vista/XP, Linux, UNIX |
| **Databases** | MS SQL Server 2012/2014, 2016 MS Office Access |
| **Languages** | SQL, HTML, NOSQL, T-SQL, C#, JavaScript, CSS, Postgre SQL |
| **Applications** | Microsoft Office, Excel, Setting up Log Shipping & using DTS (Data Transformation Service), Administration and Installing of MS SQL Server 2012,2014 |
| **SQL Server** | Management Studio, Business Intelligence Development Studio, Enterprise Manager, Query Analyzer, Profiler, Performance Monitor, SQL, T-SQL, DDL, DML, Stored Procedures, UDF, Triggers, DTS/SSIS, Log Shipping, Server Network Utility, Database Tuning Wizard, Index Tuning Wizard, SSIS, Microsoft Clustering Services (MSCS), |
| **ETL & Reporting Tools** | SSIS, SSRS, SSAS |
| **Others** | Diagnostic Manager, Quest Spotlight, SQL Light speed, Agile, Jira,  Bugzilla, BMC Remedy, SharePoint. |

**PROFESSIONAL EXPERIENCE**

**Best Buy, Minneapolis, MN Sep 2021- Till Date**

**SQL Server DBA**

**Responsibilities**

* **Installed**, **Configured,** and **Maintained** SQL Server 2016 and 2014 in multiple database environments, namely development, QA, Staging, and Production.
* **Investigated failed jobs (non-backup) and fixed them**
* **Handled SQL serving patching.**
* Experience in ensuring the maintenance and backup jobs are all scheduled on environments before they go live.
* Handled **DB configuration changes like memory settings, changing the service account, recovery model, and compatibility level** as needed for performance tuning and general performance.
* Maintained jobs like **disk space, auto growth backups, and index maintena**nce jobs for quick analysis of the environments.
* Experience with Azure SQL Server Stretch Database for archiving infrequently accessed data.
* Familiarity with Azure SQL Database Backup and Restore for disaster recovery.
* Handled SQL **server configuration, security, backups, and alerting system** Worked with other team managers to accomplish their deadlines on tasks.
* Executed **Ad hoc SQL statements** in both SQL production and development environments as per requests from Different teams.
* Installed SQL server enterprise and developer editions depending on the environment
* **Experienced in creating backup jobs (Full, Differential, and Log) through SSIS**
* **Monitoring any job failure alerts and fixing them**
* **Provided primary daytime On-call support, involved in conference calls for troubleshooting, and handled walkups.**
* Solid experience in **Database Encryption both at server\Instance and Database levels.**
* **Maintaining and Rotating** the existing encryption keys
* **Monitored** Databases for **DeadLock**, Capturing long running SQL queries
* Evaluated the Database Performance, CPU usage, and Memory using Resource Monitor.
* Monitored performance issues like **excessive locking, table scans, deadlocks, fragmentation, and other bottlenecks.**
* Monitored Full/Incremental/Daily Loads and supported all scheduled ETL jobs for batch processing.
* **Migrate Login**s from one server to another after Database migration.
* **Experience with Teradata SQL assistant to reset passwords, grant roles, and grant, or revoke access as per request.**
* **Troubleshoot and resolve log segment full issues on stores.**
* Created standard request forms for SQL server login creation
* Created a document to enable a single user at a database level (not the login) through extensive research on how to connect that user to a DB without dropping and recreating the user.
* Troubleshoot and resolve access-related issues that affect the daily jobs.
* Familiarity with Databricks Delta Lake for managing and versioning large datasets.
* Familiarity with Databricks integration with Azure services, such as Azure Data Factory and Azure Synapse Analytics.
* Worked on Teradata database creation, Login setup, space management, and troubleshooting performance issues.
* **Resolved tickets with all the information provided to make any changes to QA and Development environments using GitHub.**
* **I am the early release DBA as per the team members' schedule and do the production deployments.**
* **Quarterly audit compliance for Sybase, Teradata, and SQL servers.**
* Always communicated with the teams, way ahead before working on any upgrades or DB changes before the task
* Provided primary support on a rotation basis.
* Created detailed documentation on work done for reference purposes like SQL decommission process, Login creation in Sybase, and Sybase DB refresh process from different data centers.

**Environment:** **Azure,** **Microsoft Windows 2008 Server, Microsoft SQL Server 2008 R2, ETL, Microsoft SQL Server 2012, 2014 and 2016, Windows 2003 Server.**

**7-Eleven, Dallas, TX Mar 2019- Aug 2021**

**SQL Server DBA**

**Responsibilities**

* Worked as **Senior SQL database administrator**
* Implementing Always On and upgraded all **SQL servers 2008 R2, 2012, 2014 to SQL 2016 SP2**
* Establishing DR – Log Shipping and SQL clustering
* Providing **24/7** On-Call support for critical production databases
* Managing daily activities including (**Monitoring, Backup /Restore, and Installation (VA /patching**)
* Closing all vulnerabilities related to the SQL server
* Working on the creation of **users, logins** of databases
* Implemented Security in Web Applications using Azure and deployed Web Applications to Azure.
* Rebuilding / monitoring the indexes at regular intervals for better performance.
* Recovering the databases from backup in disasters. Implementing Point-In-Time Recovery solutions
* Installed/Configured **MSSQL2008/2012** Instances with **Cluster Configuration.**
* Creating and managing schema objects such as Tables, Views, Indexes, and referential integrity and converting them into technical specifications.
* Creating and **Modifying Tables, T-SQL Stored Procedures, Views, Indexes, User-defined Functions,** and Triggers as required.
* Moderate and contribute to the support forums (specific to Azure Networking, Azure Virtual).
* Define DB scripts versioning system to keep track of database versions for all environments.
* Administer, maintain, develop, and recommend policies and procedures for ensuring the security and integrity of the company's databases.
* Knowledge of Databricks MLflow for managing machine learning workflows and models.
* Experience with Databricks CLI for automating and scripting tasks.
* Performed Backup and recovery and Automation of Backups using maintenance plans.
* Backup all database servers to meet **Recovery point objectives (RPO)**
* Ensure databases can meet the **business recovery time objectives (RPA)**
* Implemented and maintained **Log shipping, Replication, and Mirroring High-Availability options**.
* Configured and administered **SQL Clusters (Active/Passive, Active/Active**).
* Identified, tested, and resolved database performance issues (monitoring and tuning) to ensure optimal performance of the server.

**Environment: SQL SERVER 2017 / 2016 / 2014 / 2012 / 2008 R2, Windows Server 2012 R2 / 2008 R2 / 2008, SCCM, BI- Tool, Azure, SQL, T-SQL, SharePoint, EMS Application, SSRS, SSAS, SSIS**

**Humana, Louisville KY Nov 2017- Feb 2019**

**SQL Server DBA**

**Responsibilities:**

* **SQL Server 2008R2/2012/2014/2016 Database Administration.**
* Managed and administrated the MS SQL Server 2016/2014/2012/2008R2 Production and Non-Production Servers.
* Expert to set up SQL Server 2016/2014/2012/2008 R2 AlwaysOn and Distributed AG, Multisite Failover Cluster Instances.
* Migrating database servers from on-premise to AWS Cloud.
* Experience with HA/DR Non-Production environment - Mirroring, Log Shipping & Replication.
* Management of operating systems (Windows), and virtualization (VMware/HyperV).
* Set up development, testing, and production environment with SQL Server 2008 R2 to SQL Server 2016 Enterprise edition.
* Involved **Migration** includes side by side to MS SQL Server 2008/R2/2012/2014 and SQL Server 2008/R2 to SQL 2012/2014/2016.
* Configured and worked on **Database Mirrored and log shipping** Environments.
* Maintaining the Service Level Agreements (SLAs) according to the client’s requirements.
* Performing various db maintenance activities
* Extensively worked on **SSIS** for data manipulation and data extraction, **ETL** Load
* Used SSIS, Import/Export to Copy, and move Data from one server to another, **Excel** to SQL Server
* Extensive knowledge in Data Modelling and deploying ETL packages using, DTS, and **SSIS** for accessing heterogeneous data, data cleansing, and auditing
* Sharing Database activities in Production and non-production environments.
* Used SCOM tool to monitor performance and generated reports for analysis.
* Periodically involved in executing ETL process on SQL and Oracle databases.
* Provided database and SQL programming support for the Oracle 12c database, also utilizing export/import and SQL script creation to support data conversion processes.
* Monitored **Log shipping/Transactional Replication/Database Mirroring** and troubleshooting of errors.
* Experience with Microsoft Azure data storage and Azure Data Factory, Data Lake. Supported bi-directional replication using SQL streams and designed the conflict resolution.
* Configured and monitored **Database maintenance plans** to **backup, re-indexing, integrity,** etc. with Native **MSSQL on various versions from 2005 to 2016.**
* Maintained the Database Consistency with **DBCC** at regular intervals.
* Worked and was responsible for monitoring and making recommendations for performance improvement by **Index creation, Index reorganization, file group modifications,** and adding **scheduled jobs to Re-index and update statistics** in databases**.**
* Transferred data from **Oracle to SQL** server using **SSIS**.
* Worked on various **Azure** services like Compute (Web Roles, Worker Roles), **Azure** Websites, Caching, **SQL** **Azure**, **NoSQL**, Storage, Network services, **Azure** Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
* Compared **Database Objects using Red Gate Tool for schema Changes** and data changes during Up.
* Extensively worked on **Profiler, Program Counters, DMVs, DMFs, and DTA** to tune the databases, servers, and query tuning.
* Running Index Tuning wizard for optimal query performance.
* Performed all aspects of database administration, including backups and recovery.
* Monitored security using **SQL Logins, Roles, and Security Models** for various users. Handled orphan users while moving databases
* Scheduled weekly **jobs and Maintenance tasks** for better **performance** and created **alerts** with Database Mail **SMTP**.
* Work on newly added features like Always ON High Availability and contained databases in MSSQL 2012/2014/2016.
* Provided 24/7 on-call production support.

**Environments:**

**SQL Server 2005/2008/R2/2012/2014/2016 Enterprise Edition, OLTP & OLAP environment that includes Production (24x7), SCOM, SAN, TFS, SLA, Migration, Oracle 10g, ETL, XML, Idera, Control-M, databases in SQL Server, Visual Studio 2010/2012, Microsoft, Azure, Windows 2003,2008,2008R2,2012 Server.**

**Qualex, Mumbai, India Oct 2015-Aug 2017**

**SQL Server DBA**

**Responsibilities**

* Installation, configuration, and up-gradation of **SQL Servers** from stand-alone to MS Azure Cloud
* Configuring and administration of Always On Availability group on MS Azure Cloud
* Experience in performing the migrations from **ORACLE to SQL Paas**
* Handling various build and migration projects and ensuring timely delivery to operation completing all necessary **UAT** and **SAT testin**g
* Implementation of Backup strategies to ensure point-in-time recovery of databases.
* Implementation of maintenance plan and jobs for Always on Group database jobs to ensure synchronization between active and passive nodes
* Successful knowledge transition of various clients and providing Operation support for the same
* Effective Capacity management using Database and Backup Compression.
* Implemented automated alerts using **Database Mail**.
* Created **VB scripts** to take reports and automation of mail alerts.
* Scheduling database maintenance jobs for regular health checks of databases.
* Rebuilding and reorganizing indexes periodically by checking the fragmentation level.
* Updating statistics regularly to ensure good performance.
* Auditing **SQL server logins** in a periodic manner
* Documenting the technical procedures and **SOP**
* Monitoring and performance tuning of database

**Environment:** SQL Server 2005, 2008, 2012 and Azure SQL, SCOM, SCCM, Net backup

**Ducere, Hyderabad, India**  **July 2014– Sep 2015**

**SQL Server DBA**

**Responsibilities:**

* Installation, configuration, and upgrade of **SQL server** in standalone and cluster environments.
* Configuring and administration of high availability such as mirroring, log shipping, Transactional replication, and clustering.
* Implementation **of Backup strategies** to ensure point-in-time recovery of databases.
* Databases refresh activity.
* Successful knowledge transition of various clients and providing Operation support for the same.
* Effective participation in **DR mock** drill activities.
* Effective Capacity management using **Database** and **Backup Compression.**
* Configured native Event alerts and Performance alerts with mail notification
* Implemented automated alerts using Database Mail.
* Created **VB scripts** to take reports and automation of mail alerts.
* Scheduling database maintenance jobs for regular health checks of databases.
* Rebuilding and reorganizing indexes and updating statistics periodically to enhance the performance.
* Updating **statistics regularly** to ensure good performance.
* Auditing **SQL** server logins in a periodic manner
* Monitoring and performance tuning of database

**Environment:** SQL Server 2005, 2008, 2012 and Azure SQL, SCOM, SCCM, Net backup