**Swapna K**

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**+1(469) 731 7638**

**Professional Summary**

* 9+ years of experience as MS SQL DBA/Developer in administration and development database design and development in SQL Server 2019/2016/2014/2012/ 2008R2 system in OLTP and OLAP environment. Managed over 200 servers at a time as a DBA.
* Strong experience in supporting all aspects of Microsoft SQL Server(2019/2016/2014/2012/2008R2/2008) database operations from servers, installations , storage, security, backups, monitoring, Cluster and Availability Groups, backup/recovery strategies and HADR Strategies.
* Monitor SQL Server unplanned outages, SQL Server Agent, Error log, Application and System logs, Job failures, Backup Failures, Database and Log growth, CPU, Memory, and Disk Utilization using the in-house built SQL Server monitoring tool. Performing the Failover and Failback operations in the cluster environment and adding the new Disks on both on prem, Azure and troubleshooting activities.
* Worked on Performance Engineering to improve the performance of the Stored Procedures/Queries. Knowledge on the Validated systems Change request processes.
* Experience in installation, upgrade and configuration of Microsoft SQL Server and databases.
* In-depth knowledge of T-SQL, Databases, Tables, Stored Procedures, DDL/DML Triggers, Views, User defined data types, Cursors and Indexes using T-SQL.
* Proficient in writing complex T-SQL queries using complex joins.
* Monitor the production server using tools like SQL Profiler, Windows Performance Counters and SQL server logs for Monitoring and Tuning SQL Server.
* Deploy builds on multiple databases in Azure cloud. Manually take the schema and data backups of the databases and restore/copy databases and restore deleted databases in Azure cloud. Import and Export data within Azure Cloud environment. Creating and Managing logins/Access levels in Azure IAAS and PAAS environments.
* Migration of databases from on premise to Azure Cloud environment.
* Implemented the various DR methods like Log-shipping, Mirroring, Always on, Distributed Always on right from the scratch on Windows Clustering Servers.
* Experience in developing and scheduling SSIS packages using SQL Server Agent and deploying the SSIS Packages from development server to production server.
* Good working skills in implementing ETL Packages using DTS and SSIS 2014/2012/2008R2/2008 & Pentaho.
* Strong experience in migrating other On-Premise databases to the cloud.
* Good exposure to development, testing, debugging, implementation, documentation, and user training and production support. 24/7 support of production database systems and on-call support activities.
* Excellent technical and analytical skills with clear understanding of design goals of ER modeling for OLTP and dimension modeling for OLAP.
* Hands-on experience in NoSQL, Snowflake, JSON, XML, MongoDB, Pentaho etc.

**Skill Set**

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| --- | --- |
| Database Tools | SQLServer Management Studio (SSMS), SQL Server Business Intelligence Development Studio (BIDS),Visual Studio,Dell Litespeed, SQL Sentry , Redgate softwares |
| Languages | T-SQL, PL/SQL, XML, PowerShell |
| Operating Systems | Windows Server 2008/2008 R2/2012 |
| Databases | MS-SQL Server 2008 / 2008 R2 / 2012/2014/2016/2019, MySQL, Snowflake, MongoDB, Oracle 11g |
| Reporting | Microsoft Excel 2007, SSRS |
| Analysis Tools | Microsoft Excel 2007, SSRS |
| Application | Visual Studio, Visual Source Safe, MS Office |
| Software Studios | Visual Studio , BIDS |
| Version Control | GIT, Bitbucket |

**Academic Qualifications:**

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| --- | --- | --- | --- |
| **Qualification** | **Specialization** | **Board/University** | **Year** |
| B.Tech | Computer & Science Engineering | KL University | 2013 |

**PROFESSIONAL EXPERIENCE**

**Sr SQL DBA**

**Client**: **CISCO, Richardson, TX Sep 2021 – Till Date**

**Responsibilities:**

* Writing complex Queries and formulas for various applications as required and helping different teams with their query needs.
* Monitor SQL Server down, SQL Server Agent, Error log, Application and System logs, Job failures, Backup Failures, Database and Log growth, CPU, Memory, and Disk Utilization using the in-house built SQL Server monitoring tool. DB health checks for post-Production patching. Supporting the Change request deployments during non-Business hours.
* Plan, design, and implement application database code objects, such as stored procedures and views.
* Responsible for manually failing over Primary and Secondary nodes for security and managing synchronization among databases for High Availability.
* Implementation of Hosting SQL services in Azure IAAS and PAAS servers performing the Failover and Failback operations in the cluster environment and adding the new Disks on both on prem, Azure and troubleshooting activities.
* Installing and configuring the servers over Azure in Managed Instance as per the Project Budget and also meet the Application requirements.
* Designed ETL packages dealing with different data sources (SQL Server, Flat Files) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Troubleshooting and resolve lock, block, deadlock, performance issues for databases and, performed Server/Database health check proactively, Application performance and connection issues
* Implemented Active-Active Clustering and Active-Passive Clustering as a disaster recovery solution.
* Monitor the production server using tools like SQL Profiler, Windows Performance Counters and SQL server logs for Monitoring and Tuning SQL Server.
* Monitoring Drive spaces and Errors in SQL error log by using Monitoring tools and resolving the issues related to Space crunch
* Improved the performance of long running views and stored procedures. Improved performance by adding indexes, removing unnecessary columns in the inner views and adding conditions to get only required data.
* Working with internal and external clients for import and normalization of third-party data.
* Created complex SQL queries by joining multiple tables, dynamic SQL and subqueries in TSQL using SQL Server 2019.

**Sr SQL DBA**

**Client**: **Wells Forgo, Charlotte, NC Mar 2018– Aug 2021**

**Responsibilities:**

* Wrote complex Queries and formulas for various applications as required. Peer reviewed code for more than 30+ developers.
* Monitored SQL Server down, SQL Server Agent, Error log, Application and System logs, Job failures, Backup Failures, Database and Log growth, CPU, Memory, and Disk Utilization using the in-house built SQL Server monitoring tool. DB health checks for post-Production patching. Supporting the Change request deployments during non-Business hours.
* Planned, designed, and implemented application database code objects, such as stored procedures and views.
* Responsible for manually failing over Primary and Secondary nodes for security and managing synchronization among databases for High Availability.
* Responsible for implementation of Hosting SQL services in Azure IAAS and PAAS servers Performing the Failover and Failback operations in the cluster environment and adding the new Disks on both on prem, Azure and troubleshooting activities.
* Installing and configuring the servers over Azure in Managed Instance as per the Project Budget and also meet the Application requirements.
* Designed ETL packages dealing with different data sources (SQL Server, Flat Files) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Troubleshoot and resolve lock, block, deadlock, performance issues for databases and, performed Server/Database health check proactively, Application performance and connection issues
* Implemented Active-Active Clustering and Active-Passive Clustering as a disaster recovery solution.
* Implemented always On Availability Group on Multiple instances on SQL Server
* Worked with internal and external clients for import and normalization of third-party data.
* Created complex SQL queries by joining multiple tables, dynamic SQL and subqueries in TSQL.
* Worked on migrating data from non-relational database to relational database.
* Experience in supporting Very Large databases 2 TB and troubleshooting the problems with accurate backup strategies
* Extensively used tools like SQL Profiler, Windows Performance Monitor for tuning and monitoring SQL Server performance.
* Implemented the various DR methods like Log-shipping, Mirroring, Always on, Distributed Always on right from the scratch on Windows Clustering Servers
* Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
* Monitor the production server using tools like SQL Profiler, Windows Performance Counters and SQL server logs for Monitoring and Tuning SQL Server.
* Monitoring Drive spaces and Errors in SQL error log by using Monitoring tools and resolving the issues related to Space crunch
* Improved the performance of long running views and stored procedures. Improved performance by adding indexes, removing unnecessary columns in the inner views and adding conditions to get only required data.

**Environment**: TSQL, SSIS, SQL Profiler, Azure, HADR, Tuning advisors, Powershell

**SQL DBA**

**Client:** **Standalone Pvt. Ltd., Hyderabad, India Oct 2015 – June 2017**

**Responsibilities:**

* Scheduled Automatic refresh and scheduling refresh of databases in lower environments.
* Experience in supporting Very Large databases 5 TB and troubleshooting the problems with accurate backup strategies
* Extensively used tools like SQL Profiler, Windows Performance Monitor for tuning and monitoring SQL Server performance.
* Implemented the various DR methods like Log-shipping, Mirroring, Always on, Distributed Always on right from the scratch on Windows Clustering Servers
* Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
* Monitor the production server using tools like SQL Profiler, Windows Performance Counters and SQL server logs for Monitoring and Tuning SQL Server.
* Planned, designed, and implemented application database code objects, such as stored procedures and views.
* Involved in Designing, Developing and Testing of the ETL (Extract, Transformation and Load) strategy to populate the data from various source systems feeds using SSIS.
* Designed ETL packages dealing with different data sources (SQL Server, Flat Files) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Utilized multidimensional and tabular model in analysis services to pull and generate reports directly in-memory from back- end relational data sources.
* Setup and maintained transactional replication with 50+ publications each with more than 50+ articles in it.
* Performed quality assurance and testing of SQL server objects along with testing teams to understand and bring out database related issues..
* Worked with business stakeholders, application developers, and production teams and across functional units to identify business needs and discuss solution options.
* Supported all production operation activities, with focus on integration and development of new and existing products and services.
* Worked with internal and external clients for import and normalization of third-party data.
* Responsible for performing SQL development and SSIS /SSRS development.
* Created complex SQL queries by joining multiple tables, dynamic SQL and subqueries in TSQL.
* Worked on migrating data from non-relational database to relation database.
* Experience in supporting Very Large databases 5 TB and troubleshooting the problems with accurate backup strategies
* Extensively used tools like SQL Profiler, Windows Performance Monitor for tuning and monitoring SQL Server performance.
* Implemented the various DR methods like Log-shipping, Mirroring, Always on, Distributed Always on right from the scratch on Windows Clustering Servers
* Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
* Monitor the production server using tools like SQL Profiler, Windows Performance Counters and SQL server logs for Monitoring and Tuning SQL Server.
* Monitoring Drive spaces and Errors in SQL error log by using Monitoring tools and resolving the issues related to Space crunch
* Improved the performance of long running views and stored procedures. Improved performance by adding indexes, removing unnecessary columns in the inner views and adding conditions to get only required data.

**Environment**: TSQL, SSIS, SQL Profiler, Azure, HADR, Tuning advisors, Powershell.

**SQL DBA/Developer**

Client: **Augusta Hi Tech, Chennai, India June 2013 - Sep 2015**

**Responsibilities:**

* Translated business needs into data analysis, business intelligence data sources and reporting solutions for different types of information consumers. Involved in Planning, Defining and Designing database using Erwin on business requirement and provided documentation.
* Developed complex T-SQL code such as Stored Procedures, functions, triggers, Indexes, and views for the application. Used Joins, correlated and uncorrelated subqueries for complex business queries involving multiple tables & calculations from different databases. Used advanced features of T-SQL to design and tune T-SQL to interface the database and other applications in the most efficient manner.
* Created many complex Stored Procedures/Functions and used them in Reports directly to generate reports on the fly.
* Worked on different Incidents like Job failure, disk space issues, Permissions issues and Backup failures. Database mail alert configured for backups and database status.
* Worked for performance issues like server slowness, high Memory & CPU utilization, Database issues. Created jobs to perform index defragmentation, re-indexing and update the index statistics. Experience of SQL server Always on SQL 2012 on windows server 2012 as a high availability solution.
* Involved in projects, As DBA calculate DB sizes and Growth of the Databases to request Storage for new servers. SQL server Installation Managing MongoDB applications for DBA activities
* Good working knowledge of configuration of SQL server like tempdb, server level settings.
* Restore the Database to point to the time using Backups. Assigning the permissions. Configuring the database level setting.
* Creating the Job’s and Linked servers using the scripts.
* Configured transactional replication for Prod servers.
* Experienced in resolving the issues in replication and adding the new articles to the existing publication.
* Explored usage of No-SQL databases like MongoDB for enterprise adaptability POC.
* Scheduled the monthly/weekly/daily reports to run automatically onto the Dashboard. Responsible for Monitoring and Tuning Report performance. Created various database objects like stored procedures, functions, tables, views.

**Environment**: Oracle 10g, MS SQL server, JIRA, TSQL, MongoDB, Pentaho