Ranganath Daliparthi

Sr. SQL Server DBA - Michigan State University

Lansing, MI

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• Around 8 years of Database Administration and Development experience working on MS SQL Server 2014/2012/2008 R2/2008/2005 Production, Development and Testing in Clustered and Stand-alone Server Environments.

• Expertise in Database Administration activities that include Installation, Configuration, Backup & Recovery, Database Security, Database designing and Query o ptimization.

• In depth hands on experience on Transactional Replication and database mirroring for Very Large Databases (VLDBs) and highly transactional systems.

• Has worked on SQL Server AlwaysOn high availability feature and has a firm understanding of Contained Databases and Availability groups (HADR) of SQL Server 2012.

• Implemented and maintained Log Shipping using Idera SQL Safe and Clustering as part of Disaster Recovery (DR) program.

• Creating and Maintaining Database Maintenance Plans for the new server boxes.

• Documented Disaster Recovery plans and participated in disaster recovery drills.

• Expertise in setting up Active/Passive and Active/Active Clusters for High availability.

• Good experience in resolving SQL Server blocking and Dead Lock Issues.

• Expert in Performance Tuning by Index Defragmentation, optimizing execution plans, proper usage of indexes.

• Experience in configuring and managing Linked Servers. Data transfer between SQL Server and other heterogeneous relational databases such as Oracle and DB2.

• Upgraded databases from MS SQL Server 2008 to MS SQL Server 2012/2014, MS SQL Server 2005 to MS SQL Server 2008 and MS SQL Server 2000 to MS SQL Server 2005.

• Extensive experience in Capacity Planning, Performance Tuning, Disaster Recovery, Troubleshooting, Backup and Restore Procedures.

• Experience in SSIS (SQL Server Integration Services), SSAS (Analysis Services) and SSRS (Reporting Services)

• Overall database design that involves creating normalized databases, user authentication, query tuning, assigning proper indexes, creating stored procedures, functions, triggers and data types.

• Experience in upgrading SQL Server software to new versions and applying Service packs and hot fixes.

• Provide 24/7 production support for mission critical systems.

• Experience in implementing various RAID 1, 5 and 10 technologies.

• Experience in creating Packages, Jobs, sending alerts using SQL Mail and custom extended procedures.

• Creation and maintenance of Databases, creating Roles and managing user permissions.

• Experience in Troubleshooting and documenting root cause analysis.

• Hands on experience in writing and debugging Stored Procedures, Triggers, Cursors, Complex queries using T-SQL Scripts and Batch files.

• Monitoring Event Viewer, SQL Error logs and Log File Viewer for Software and hardware related errors.

• Monitoring Dashboard Reports for Performance Tuning and finding bottleneck in database.

• Expertise in using DBCC trace flags, handling blocking and deadlock situations.

• Good at Data availability solutions like Online Restore, Online index operation, Database Snapshot and Fast Recovery.

• Intensive experience in monitoring and tuning SQL Server database performance using SQL Profiler, DMV's, Index Tuning Wizard and Windows Performance Monitor.

• Worked with Third Party Backup solutions like Commvault, Redgate and Litespeed for MS SQL Server.

• Flexible, Enthusiastic and project oriented team player with excellent communication skills and analytical skills to develop creative solution for challenging client needs.
Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Sr. SQL Server DBA

Michigan State University   -   Lansing, MI - 2016-05 - Present

The Michigan State IT Services department Application Services provides application development and support services for administrative systems operated jointly with MSU functional units .These services include disaster recovery and contingency planning, portfolio and project management, systems architecture and testing, and business system analysis. Application Services also offers design, development, and support for web applications, mainframe systems, databases, middleware applications, and e-commerce systems, as well as identity and integration management.

* Administered SQL Server 2005/2008/2012/2014 on windows 2008/2008 R2/2012/2012 R2 servers.
* Migrated databases from SQL Server 2005/2008 TO 2012/2014.
* Worked on Configuration of SQL Server 2012/2014(AlwaysOn Availability Groups) and extensively worked on Clustering environment (Active-Passive).
* Configured Central Management Registered Server and created different groups for DEV, QA and Prod environments.
* Developed DDL Triggers to send an e-mail if a Login in the Server has granted sysadmin privilege or Database User granted db_owner privilege.
* Developed stored procedures to clone the privileges of Logins and Database Users, remove logins, backup check of the databases.
* Extensively worked on troubleshooting and fine-tuning(Performance Tuning) of queries
* Implemented Security Audit, Transparent Data Encryption (TDE AES_256) on all SQL Server Environments (Dev, QA and Prod).
* Data Warehousing, OLAP experience using SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS).
* Extraction, Transformation and Loading (ETL) process by pulling large amount of data from various data sources.
* Worked with various techniques (Dynamic Data Masking (2016), Column Encryption) to mask the sensitive data in Dev and QA.
* Implementation of SQL Logins, Roles and Authentication Modes as part of Security Policies for various category of users.
* Implemented global rule for naming standards of Database Users on the entire SQL Server environment by writing a dynamic SQL Script to map the Logins and Users with same name.
* Developed PowerShell scripts to the automate DBA Tasks.
* Performed various troubleshooting including trend analysis, deadlocks, lock escalations
* Worked with SQL Server built-in tools like SQL Profiler, Extended events, Database Tuning Advisor and Policy Based Management.
* Proactively monitor the Production Server and optimize stored procedures for better performance, resolving locking conflicts and resource utilization.
* Monitoring the performance and health of the SQL Servers by Spotlight monitoring tool
* Restoring Databases to point in time from Commvault backups.
* Worked closely with application teams and helping the developers to optimize the queries.

Environment: SQL Server 2008/2012/2014, AlwaysOn, Clustering, Mirroring, T-SQL, Windows 2008/2008 R202012/2012 R2, PowerShell , Spotlight, Commvault, SSIS, SSRS, UC4, Oracle, Visual Studio, PL/SQL.

Sr. SQL Server DBA
Duke Energy   -   Charlotte, NC - 2014-09 - 2016-04

It is the largest electric power holding company in the United States, supplying and delivering energy to approximately 7.2 million U.S. customers. It has approximately 57,500 megawatts of electric generating capacity in the Carolinas, the Midwest and Florida-and natural gas distribution services in Ohio and Kentucky. Its commercial and international businesses own and operate diverse power generation assets in North America and Latin America, including a portfolio of renewable energy assets.
Headquartered in Charlotte, NC, Duke Energy is a Fortune 250 company.

* Administered SQL Server 2000/2005/2008/2008 R2/2012 on windows 2000/2003 and 2008/2012 servers.
* Worked on configuration of 2012 HADR (AlwaysOn High Availability groups) on multi subnet and multi-site clusters across data centers.
* Upgrading SQL 2012 servers to SQL Server 2014 RTM for Production environments.
* Extensively worked on new concepts in SQL Server 2008 Like MERGE statement, TDE (Transparent Data Encryption), Performance data monitor, Data and Backup compression.
* Worked on High Availability atmosphere (Active-Active/Active-Passive Cluster, Transactional Replication).
* Maintained Transactional replication, database mirroring with automatic failover on production servers.
* Migrated databases from SQL Server 2000/2005, SQL Server 2005/2008 and SQL Server 2008R2 TO 2012.
* Modified database structures tables, stored procedures, views, triggers, user-defined functions, as well as disk configuration and storage allocation to support application enhancements.
* Converting all the functionality from Oracle 10g schema to SQL Server 2005.
* Responsible for solving application related issues and issues in replication like replication agent failure, subscription failure etc.
* Extensively worked on Active-Active and Active-Passive Clustering on multi node cluster.
* Created user Time Zone functions to support the application.
* Data Warehousing, OLAP experience using SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS) and SQL Server Analysis Services (SSAS) both in star and snow flake schema.
* Extensively debug Data Warehouse analytics logic to ensure the data accuracy is maintained.
* Worked on Database backup and Maintenance automation implementation. Which will take the backups with a defined naming convention along with standards, and Database maintenance is done using the in-house stored procedure with which we can log all the maintenance operations in a table for further analysis.
* Successfully managed Extraction, Transformation and Loading (ETL) process by pulling large amount of data from various data sources using DTS, BCP and SSIS Packages.
* Working closely with Informatica teams for moving access data.
* Performance Tuning and testing stored procedures, indexes and triggers using SQL Server Profiler.
* Extensively worked on troubleshooting and fine-tuning of databases for its performance.
* Monitoring SQL Server performance using profiler to find the performance, dead locks, blockings and capturing long running SQL queries for fine-tuning SQL statements that better result in efficient SQL statements processing.
* Checking Database health by using DBCC commands and DMVS.
* Created Maintenance Plans for regular backups, rebuilding of indexes and data purging process as part of maintenance.
* Responsible for deploying code changes, code review and code releases in all environments with respect to release deadlines. Solving Tickets on daily basis for Production issues.

Environment: SQL Server 2000/2005/2008/2008 R2/2012/2014, AlwaysOn, Mirroring, Replication, T-SQL, Windows 2003/2008, PowerShell, Oracle, Visual Studio, PL/SQL, Redgate, SSRS, SSIS.

Sr. SQL Database Engineer

Redbox - Oakbrook Terrace, IL - 2012-11 - 2014-08

Redbox specializes in the rental of DVDs and video games via automated retail kiosks. It had over 40,000 kiosks at more than 34,000 locations around the US. I was working in the IT group managing some Extra Large Databases (ELDBs) and Highly Transactional Systems.

* Initiating and performing changes on production systems and proactively escalating any issues that cannot be resolved within the established timeframes.
* Setting up the new SQL Server 2012 feature AlwaysOn Availability Groups for Disaster Recovery and High Availability.
* Implemented and managed 3 node Active-Active-Passive clustering, failover and load balance technologies as per client requirement.
* Working on Backup Remediation process to make sure all production servers are recoverable in case of failure/disaster using third party tools like Idera.
* Configuring and maintaining transactional replication for reporting purposes.
* Troubleshooting performance issues and working on Server and query optimization and index tuning.
* Maintaining the database consistency with DBCC at regular intervals.
* Fine tuned the stored procedures and views by recommending the development teams to use the NOLOCK after every table, to use the MERGE statement instead of insert, update and delete statements
* Monitored and modified Performance using execution plans and client statistics.
* Worked with Linked Servers and OPENQUERY to retrieve the Oracle data in to SQL Server.
* Implementation of SQL Logins, Roles and Authentication Modes as part of Security Policies for various category of users.
* Proactively monitor the Production Server and optimize stored procedures for better performance, resolving locking conflicts and resource utilization.
* Worked extensively in maintaining the index fragmentation by regularly scheduling for the reorg/rebuild of indexes based on the fragmentation level and updating the statistics.
* Manage/administer the filegroups for data, Index and read-only for VLDB's.
* Identifying the table growth and file growth for table or index reorganization, fatal errors, failed jobs, integrity violations, performance issues and data abnormalities.
* Analyzing and recommending on changes for maintaining standards and best practices in all the SQL Servers.

Environment: SQL Server 2005/2008R2 with Clustering, SQL Server 2008/2012, AlwaysOn, Transactional Replication, Windows 2003/2008, MS Access 2003/2007, SQL IDERA diagnostic manager, Visual Studio, SAN Storage.

SQL Server DBA

Rho world - Chapel Hill, NC - 2010-09 - 2012-10

The role was of a production support DBA to administer and monitor the databases providing the application support to databases. The role was also involved in the monitoring of the development and test servers of the internal infrastructure.

* Reviewing service related reports (e.g. database backups, maintenance, monitoring) on a daily basis to ensure service related issues are identified and resolved within established SLAs.
* Installed/Upgraded/Migrated SQL Server 2008R2, 2008 and 2005 on 64&32-bit systems both clustered (Single and multi-node clusters) as well as standalone servers.

* In depth working on Transactional Replication and database mirroring for very large databases (VLDBs) and highly transactional systems.
* Implementing and maintaining Log Shipping as part of Disaster Recovery program.
* Daily maintenance of the production servers with weekly 24/7 support throughout the duration of the project.
* Actively working with ETL developers and in deploying the SSIS packages into production.
* Administering and deploying the reports and working on SQL Server Reporting (SSRS).
* Resolving and investigating dead locks and blocking using Server side Profiler traces.
* Creating Backup strategies and scheduling them as a part of database maintenance plans and using striped backups for VLDBs.
* Identifying and recommending the resolutions for the failed jobs in all the production servers.
* Resolving blocking and long running queries issues and performing a Root Cause Analysis (RCA).
* Installation and Maintenance of SQL Server 2008 R2 on SIT, UAT and Production Environments.
* Creating and maintaining Policies as part of automating and administering the servers using Policy Based Management (PBM).
* Involved in migrating data from DB2 to SQL Server and SQL Server to DB2 through import/export and BCP utility.
* Monitored the database activity to identify and resolve the performance issues using SQL Server Profiler.
* Resolving and investigating dead locks and blocking using Server side traces on weekly basis.
* Troubleshooting and identifying the resolutions for the failed jobs in the production servers.
* Working on tasks include Backup Failures, Login creations, Data refresh and Disk space issues.
* Created missing indexes on the tables by running Database Tuning Advisor.
* Worked flexibly at late hours with the application team on making any changes to the Production Servers.
* Utilizing the SQL Server's best practices to implement maintenance plans and other regular maintenance tasks.
Environment: SQL Server 2005 and 2008 with Clustering, Transactional Replication, Log Shipping, SQL Server 2008R2, Windows 2003/2008 64-bit, DB2, SSIS, SSRS, TFS, SQL Profiler.

SQL Server DBA/Developer
Smart Software Technology - 2009-09 - 2010-08

India

To enable success, Smart Software Technologies helps create strategies that transform enterprises by aligning IT strategy and priorities to their business objectives. We deliver practical advice and fast-performing solutions by leveraging our industry insight and unrivalled technology expertise. I was part of the Smart Software Technology Unit working on Data migration and maintaining the SQL Databases.

* Managed and Administered the SQL Server 2005/2000 Production and Non-production servers.
* Creating and modifying Stored Procedures and T-SQL Queries for efficient data retrieval and consumption into the systems.
* Worked with SQL Server 2005 side by side upgrade from SQL Server 2000. Related documentation for steps need to taken while upgrading the SQL Server 2000 to SQL Server 2005.
* Worked in Active-Passive cluster environment.
* Importing data into SQL Server from MS Access databases.
* Writing T-SQL Scripts for database backup jobs for daily/weekly jobs.
* Create and manage databases across Development and Production instances using SQL Server Management Studio (SSMS).
* Usage of new compression Techniques in SQL Server 2008 for backup and restore jobs.
* Implementation of SQL Logins, Roles and Authentication modes as a part of Security Policies for various category of users.

* Daily tasks of Developer/DBA like space issues on Production and Semi-Production Servers and handling maintenance jobs handling and user's permissions.
* Export/Import data from other data sources like flat files using Import/Export through DTS, SSIS.
* Creating and managing database objects that include Tables, Views, User-defined Functions, Stored Procedures, Constraints and Triggers to implement Business Logic.
* Designed a report on monitoring of SQL Server Performance. This report gives a detailed report to the management on the performance of the server.
* Monitoring SQL Server performance using profiler to the performance and deadlock issues.
* Implemented AWE/PAE switches for SQL Server for SQL Server to grab more than 4GB RAM.
* Creating Clustered and Non-Clustered Indexes to improve the performance of databases.
Environment: SQL Server 2000/2005/2008, Windows 2003 64-bit, T-SQL, MS Access, MS Business Intelligence Development Studio, C#.NET, VB and ASP.NET, SSIS.

EDUCATION

Bachelor's in Technology
Jawaharlal Nehru Technological University

SKILLS

DATABASES, MS SQL SERVER, SQL, SQL SERVER, MICROSOFT WINDOWS

CERTIFICATIONS/LICENSES

Microsoft Certified Professional (MCP)
Present

ADDITIONAL INFORMATION

Technical skills

Databases MS SQL Server 2000/2005/2008/2008R2/2012/2014, Oracle, DB2, MS ACCESS 2000/2003/2007
Languages T-SQL, C, C++, C#, vb.net, JAVA,ASP.NET, Power Shell, XML,PL/SQL
Operating System Windows 2000/2003/2008/XP/VISTA/7
Business Intelligence Tools SSIS (SQL Server Integration Services), SSAS (SQL Server Analysis Services), SSRS (SQL Server Reporting Services)
Third party tools Spotlight, Commvault, Redgate, Idera(SQL Safe, Diagnostic Manager), Litespeed,UC4
Applications Microsoft Office Suite, Visual Studio 2005/2008/2010, Visual Source Safe, TFS