

**Sunil Kumar J**

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**Professional summary:**

* 8 years of experience in Administering and Maintaining the MS SQL SERVER in Production, Development and Testing in Clustered and Standalone Server Environment.
* Experience in Migrating SQL Server 2008 to 2012/2014/2016.
* Experience in mentoring with team members, documentation and 24/7 on call production support.
* Experience in Deploying SQL server databases to SQL Azure.
* Implemented Side by Side Migration of MS SQL SERVER 2000/2005 to 2008/2008r2/2012/2014, 2014 to 2016/2017, 2019 to 2022
* Experience in SQL Server 2005, 2008, 2008R2, 2012, 2014, 2016, 2017, 2019, 2022.
* Experience in Analyzing monitoring purpose using SolarWinds Database performance analyzer and Sentry1.
* Experience with Index Optimization.
* Experience in working on Performance tuning and Query Tuning.
* Experience in Backing up, restoring the data base manually and by scheduling the jobs and Maintenance Plans.
* Worked with a team of business analysts, data architects, application developers, ETL developers and testers, my objective was to deliver projects within scope, time and costs while following department standards, methodologies, and guidelines.
* Experience in PowerShell scripts and PowerShell AD with SQL server PowerShell extensions.
* Expert in SQL Server S/W installation, applying patches, upgrading, configuring, trouble shooting of SQL SERVER on Windows 98/2000/03/08/12 servers and Clustered VMware Environments.
* Experience in implementing DIASTER RECOVERY AND HIGH AVAILABLITY concepts like Native Log Shipping, Custom Log Shipping, Mirroring and Replication (Snapshot and Transactional).
* Experience in analyzing and resolving Blockings, Dead Locks and handling the Isolation Level and Concurrency Effects.
* Good Knowledge in querying the databases using the PowerShell scripts.
* Built multiple SSIS packages for data loading from OLTP to OLAP data warehouse.
* Hands on configuring Temp DB with considerable Memory and Raid Levels for better performance.
* Experience setting up Clusters.
* Good working knowledge on Always On and T- SQL enhancements of 2012 features.
* Extensively used the native tools like index tuning wizard, data base tuning advisor, profiler, Performance Monitor, activity monitor, Event viewer for performance analysis.
* Experience in working on Core DBA.
* Created Linked Servers between SQL Servers and to Oracle Databases
* Experience in administrative activates comprising Performance Tuning, Query Optimization, Client/Server Connectivity, and Database Health Check, Indexing, Updating Statistics.
* Configured Security at ACTIVE DIRECTORY and SQL SERVER LEVEL by Creating Principals (logins) and Mapping users to roles. (Securable and Permissions).
* Experience in configuring Replication and troubleshooting the issues with transactional replication.
* Experience in Normalization, Database design, Performance Analysis and Production Support for very large (VLDB) and Complex Databases.
* Expertise in analyzing and estimating the Execution Plan for better Query Optimization.
* Extensively used Repositories like Team Foundation Server (TFS), Visual source safe and Clear Case for Data Archival.
* Handled multiple SQL Instances on Cluster environment for Server Consolidation projects built on SAN using RAID levels.
* Deployed and Debugged SSIS packages for import, export, and bulk insert data with transformations from various data sources.
* Experience in generating Reports (SSRS) in Business Intelligence Development Studio (BIDS) and SQL Server Data Tools.
* Explicitly used third party tools like Spotlight, Commvault SolarWinds Database Analyzer, SQL Sentry, and Redgate SQL Monitor.
* Involved in all phases of the SDLC (software development life cycle).

**CERTIFICATIONS:**

* Microsoft Certified Solutions Associate
* Certificate Number: G175-5475

**TECHNICAL SKILLS**

Languages T-SQL, My SQL, C#, ASP. NET, HTML, XML, C/C++, Java Script

Operating Systems Windows 2000/2003/2008/2012, UNIX (Sun Solar), LINUX

Databases MS-SQL Server 2000/2005/2008/2012/2014/2016/2017/2019/2022

ETL Tools Data Transformation Services, SSIS, SQL Azure

Reporting Tools SSRS, Business Objects

DB Utilities SQL Server Management Utility, Query Analyzer, Profiler

Application Software Visual Studio 2012/2015/2019/2022, Visual Source Safe, TFS, MS Office Suite

Third party Tools Spotlight, Commvault, Rubrik, Idera SQL Safe, SolarWinds Database Analyzer, SQL Sentry, and Redgate SQL Monitor.

**PROFESSIONAL EXPERIENCE:**

**Client: Wi-Tronix, Bolingbrook, IL April 20, 2022- Present**

**Sr. SQL Server DBA (Production Support/ DevOps DBA)**

**Description:** Wi-Tronix provides comprehensive locomotive management solutions. The Wi-Tronix IoT platform integrates data acquisition with artificial intelligence, video analytics, and machine learning to deliver functional solutions designed specifically for rail.

**Responsibilities:**

* Managed and Administrated SQL Server 2022/2019/2017/2016/2014 production and non-production servers.
* Experience in mentoring with team members, documentation and 24/7 on call production support.
* Migrating SQL Server from 2019 to 2022
* Used Red gate tools for data integration project, tools like Data Compare and SQL Compare to do a comparison of large schema and data sources and destinations, SQL Prompt and SQL monitor.
* Migrating SQL Server from 2014 to 2017
* Implementing Querystore to capture the history of executed queries, query runtime execution statistics, execution plans, top resource consuming queries etc. against on all the databases.
* Implementing Auto tuning option to force good plans.
* Finding top CPU queries and tune them.
* Making the changes and creating pull request and push it to dev/release branch as per the priority.
* Worked closely with the deployment team to find the issue and to resolve them.
* Participating in the deployment process.
* Working on changing datatype from INT to BIGINT using SSIS.
* Implementing stored procs, functions and index stats to get the execution history and to check if they are in use or can be drop, this will help to eliminate the objects which are not required.
* Worked in Fast-paced Agile Environments where we did lot of code deployments and code reviews.
* Worked on index maintenance on large databases (Splitting and scheduling accordingly and making sure all indexes are rebuilding/reorganizing).
* Working as a Team Lead in Handling all the SQL Server Builds and Migration Process for the Application end.
* Performing Database Integrity Checks, Database Maintenance plans, updated Database Statistics and performed Re-indexing, Rebuilding the indexes, online indexing at regular intervals for better performance.
* Troubleshooting production issues during on call schedule with minimum timelines in fixing issues.
* Built SSIS packages for data loading from OLTP to OLAP data warehouse.
* Database Optimization that involved re-engineering the databases, data and index organizing, performance tuning and query tuning.
* Working as a team to maintain 100 percent up time to keep the environment running irrespective of any infrastructural changes in the environment.
* Installed and configured SQL 2022/2019/2017/2016
* Worked on configuring transactional replication. Worked on resolving clustering, Database mirroring, Log shipping and transactional replication issues.

**Client: XPO Logistics, Chicago, IL Jan 14, 2019- April 2022**

**Sr. SQL Server DBA (Production Support/ Application DBA)**

**Responsibilities:**

* To manage and administrate SQL Server 2017/2014/2012/2008R2/2008R2 production /and non-production servers.
* Administer all the SQL Server Builds and Migration Process for the Application end as a team lead.
* Working with team members, documentation and 24/7 on call production support.
* Analyze for monitoring purpose using SolarWinds Database performance analyzer and Sentry1.
* Install and configure SQL 2017 servers in clustered and non-clustered environments.
* Configure high availability like Always On, Clustering, and transactional replication. Resolve clustering and transactional replication issues.
* Upgrade SQL server from SQL 2012 to 2017 using side by side migration techniques.
* Create, schedule database maintenance plan using SSIS Maintenance plan task.
* Configure and deploy SSIS Packages from Test to Production Environments.
* Migrated one of Business unit servers from On Prem to Azure and configured Geo-Replication.
* Configuring Elastic pool for Azure SQL databases to share the resources between databases.
* Created Runbook for Index maintenance.
* Responsible for all On Prem and Azure deployments
* Maintaining Storage accounts on Azure portal for each environment to store backup files.
* Write and develop on Stored Procedures, backup and restore data to prevent data loss.
* Develop and build SSIS packages for data loading from OLTP to OLAP data warehouse, to create incremental packages for loading net changes.
* Providing Index recommendations and query recommendations for long running queries.
* Implement and Maintain frequent DBA tasks like scheduling jobs, creating maintenance plans and check servers for optimizations and implement them.
* Perform daily tasks including backup and restore by using SQL Server tools like SQL Server Management Studio, SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Advisor.
* Implement SQL Principle, Securable, Permission, Roles and Authentication Modes as a part of Security Policies for various categories of users.
* Monitor all databases status including CPU, Memory, I/O, Space Management, Backup and Recovery.
* Develop Automated Backup jobs and DBCC scripts for databases and transaction logs.
* Responsible for Monitoring and Troubleshooting SQL Jobs, Scheduled Tasks, Disk spaces, error logs and making recommendations for performance improvement in hosted databases which involved index creation, index removal, file group modifications, and scheduling jobs to rebuild/reorg indexes and update statistics.
* Apply native tools like DATA BASE TUNING ADVISOR, PROFILER, PERFORMANCE MONITOR and ACTIVITY MONITOR for performance tuning and work on Query Tuning.
* Implement and execute successful Disaster recovery test for multiple databases to ensure redundancy of databases.

**Environment**: SQL Server 2008 and 2008 R2, 2012 and 2014, 2017 T-SQL, Access, SSIS, Windows 2005,2008 and 2012/14 Servers, Sentry1, Database performance analyzer, Share Point, F5 Load Balance, .NET, VMware.

**Client: United Health Group (Optum), Basking Ridge, NJ Jan 2018-Jan 08, 2019**

**SQL Server DBA/Programmer**

**Responsibilities:**

* Installation of MSSQL Server 2016, 2014 on Production, UAT and Development environments.
* Managed and Administrated SQL Server 2017/2014/2012/2008R2/2008 production and non-production servers.
* Migrating SQL Server Instances using PowerShell
* Taking backups using PowerShell
* Generating Reports (SSRS) in Business Intelligence Development Studio (BIDS) and SQL Server Data Tools.
* Handful of experience in working on XML Data
* Created, scheduled database maintenance plan using SSIS Maintenance plan task.
* Validation of Datatypes.
* Designed and developed SSIS packages using different control flow tasks, Transformations, and dataflow tasks.
* Documentation, Training and mentoring the staff.
* Actively participated in forums, newsgroups and as a volunteer in Technology Meetings.
* Created Triggers for the Application
* Handful of experience in working with Audit
* Importing XML data by using SSIS
* Performed Database Integrity Checks, Database Maintenance plans, updated Database Statistics and performed Re-indexing, Rebuilding the indexes, online indexing at regular intervals for better performance.
* Assigned for Database Optimization that involved re-engineering the databases, data and index organizing, performance tuning and query tuning.

**Environment**: SQL Server 2008 and 2008 R2, 2012 and 2014, 2017 T-SQL, Access, SSIS, Windows 2005,2008 and 2012/14 Servers, Share Point, F5 Load Balance, JDE Application, .NET, VMware.

**Client: IAB (Interactive Advertising Bureau), New York Oct 2017- Dec 2017**

**SQL Server DBA/Developer**

**Responsibilities:**

* Managed and Administrated SQL Server 2014 production and non-production servers.
* Developing Script to find the sensitive Columns and to encrypt those columns.
* Supporting Tableau team and Salesforce team.
* Implemented and Maintained routine DBA tasks like scheduling jobs, creating maintenance plans. Checked servers for optimizations and implemented them.
* Working with team members, documentation and 24/7 on call production support.
* Analyzed SQL Servers and Databases and came up with a plan for consolidation based on usage, performance, and compatibility.
* Working on Performance tuning on some Stored Procedures where need.
* Configuring high availability like Always On, Clustering, Database mirroring and transactional replication. Worked on resolving clustering, Database mirroring and transactional replication issues.
* Analyzing and resolving Locks, Dead Locks and handling the Isolation Level and Concurrency Effects.
* Validating the Stored Procedures from Tableau and tuning when needed.
* Validating the data in Salesforce and modifying the query if needed.
* Performed daily tasks including backup and restore by using SQL Server tools like SQL Server Management Studio, SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Advisor.
* Monitoring SQL server performance using profiler to find performance and deadlocks.
* Created Stored Procedures, Triggers, Views and Functions for the Application.
* Extensive testing on the Performance of the Stored Procedures.
* Used SQL Sentry for Performance tuning.

**Environment**: SQL Server 2012 and 2014 T-SQL, Access, Windows 2012/14 Servers, Share Point, Tableau, Salesforce, .NET, VMware.

**Client: MSU, East Lansing, MI Dec 2016-Sep 2017**

**SQL Server DBA**

**Responsibilities:**

* Implemented Side by Side Migration from 2008 to 2016
* Creating and implementing multiple SQL Server Audits for Security.
* Creating and implementing DDL triggers to get the notifications of permissions.
* Creating and implementing PowerShell script to automate creating Logins and to Clone the permissions.
* Developing Script to find the sensitive Columns and to encrypt those columns.
* Developing, implementing, and periodically testing a backup and recovery plan for the databases
* Extensively used Repositories like Team Foundation Server (TFS) and Visual Source Safe.
* Installs revised or new systems by proposing specifications and flowcharts; recommending optimum access techniques; coordinating installation requirements.
* Make and test modifications to the database structure as needed.
* Maintain the database and update permissions.
* Worked on Data Masking for masking the Account information and Student Personal information.
* Backup and restore data to prevent data loss.
* Maintains database performance by calculating optimum values for database parameters; implementing new releases; completing maintenance requirements; evaluating computer operating systems and hardware products.
* Ensure that builds are properly deployed in development, system, acceptance, and production environments.
* Supports database functions by designing and coding utilities.
* Prepare test cases and strategies for unit testing and integration testing.
* Provide technical and functional support to testing teams.
* Assist Technical Writers in preparing project documentation.
* Follow best practices to perform application coding.

**Environment**: SQL Server 2008 and 2008 R2, 2012 and 2014 T-SQL, Access, Windows 2005,2008 and 2012/14 Servers, Share Point, .NET.

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**EDUCATION:**

* B.S in Computers, Kakatiya University, India. 2011
* Master of Business Administration, Kakatiya University, India 2013
* Masters in Informational Technology, Schiller International University, USA 2016.