**Kamal p**

**Sr. SQL System Administrator**

**816-659-1353kamal2uallp@gmail.com**

**Professional Experience**

* 8 years of experience in Database Administration, Analysis, Design, Development and support of MS SQL Server 2016/2014/2012/2008R2/2008/2005 in Production, Test and Development Environment.
* Good experience in installation, upgrade and configuration of MS SQL Server 2008 to MS SQL Server 2008 R2, from SQL Server 2012 and SQL Server 2014 in clustered and non-clustered environment.
* Experience in upgrading SQL server software to new versions and applying service packs and patches.
* Experience on High Availability/Disaster Recovery (HADR) solutions, Failover Clusters and Always On Availability Groups, Replication and Mirroring.
* Successfully tested and implemented Log Shipping Technique used for warm backup solution for MS SQL Server 2014/2012/2008R2/2005 databases.
* Extensive experience in **Installation and configuration of SQL Server 2008 R2, 2008, 2005 and 2000.**
* Configured**Active/Active**and**Active/Passive**clustering for failover.
* Performed **Capacity** **Planning**, **data modeling** and **Logical/Physical** database Design.
* Experience in **Database Backup, Recovery and High Availability (Clustering, Log Shipping, Replication and Mirroring).**
* Experienced in Importing/Exporting Data from various data sources like Oracle, DB2, Excel and Flat files using DTS utility.
* Involved in transformation of OLAP data to the Data Warehouse using DTS and SQL commands.
* Recovering the databases from backup in disaster situations.
* Expert in creating Views.
* Created Transact-SQL (stored procedures, views, triggers, sub-queries, joins)
* Experience in developing the applications using T-SQL Programming (DDL, DML, and DCL).
* Extensive experience with Power Shell scripting.
* Experience using Avatar as a SQL DBA.
* Maintained the Security in SQL Server like Authentication Modes.
* Expertise in planning and implementing MS SQL Server security and database permissions.
* Database Consistency Checks using DBCC Commands.
* Handled multiple SQL Instances on Cluster environment for server Consolidation projects built on SAN using RAID levels.
* Experience in Installing and Configuring SQL server on virtual machines (VMware).
* Expert in using SQL Profilers, DTA, DMVs, DMFs and other third party tools to resolve deadlocks, bottlenecks and slow running queries..
* Monitoring the Logs for successful execution of all the specified jobs.
* Experience in handling the Change Data Capture (CDC) with different retention time.
* Troubleshooting SQL Server for Blocking, Locks, Deadlocks and Jobs.
* Maintaining database-specific documentation and ensuring it is Up-to-date.
* Experience in providing good production support for 24x7 on rotation basis.
* Ability to work in a team environment or independently.
* Good at multi-tasking and working well under tight deadlines with high efficiency

**Techincal Skills**

**Languages :** T-SQL, VB Script, C, C++, XML, HTTP, JavaScript

**Databases :**Microsoft SQL Server 2014/2012/2008/2005, MS-Acces

**ETL & Reporting Tools:** DataTransformation Services(DTS), SQL Server Integrated Services(SSIS), SQL Server Reporting Services(SSRS), SQL Server Analysis Services(SSAS), Statistical Analysis Software(SAS)

**Operating Systems**:Windows Server 2008/2003, Windows 2000 Advanced Server, Windows NT 4.0/3.5.1, Windows 95/98/XP

**Application Software:**Visual Studio 2010/2008/2005, Visual Source Safe, Team Foundation Server, MS Office Suite

**Data Modeling Tools**

SQL DB Access, Performance Monitor, Backup Utility, Idera, SQL LiteSpeed,, Red gate, Visio 2000 DB Utilities SQL Server Management Utility, Query Analyzer

**Educational Qualification**

* **Bachelors in Computer Science, Jawaharlal Nehru Technology University, India.**

**Professional Experience**

**Progressive Insurance, Mayfield, OHAUG 16 – Till Date**

**Role: Sr. MS SQL System Administrator**

**Responsibilities:**

* Installed & configured SQL server 2014/2012 database engine in clustered & stand-alone   
  environments for Development, QA, Testing and Production Environment
* Installed & configured MS SQL Server 2014 & 2012 SSIS, SSAS SSRS instances
* Executed database upgrade and migration, & applied service packs, security updates & hotfixes
* Implemented HA & DR solutions - clustering, always on, mirroring & replication
* Performed logical and physical database design, configuration and deployment
* Built database schemas and objects such as tables, stored procedures, triggers, views and indexes
* Set up & managed database maintenance plan, back-up, restore, recovery strategies & procedures
* Recovered databases from backup in disasters & implemented Point-In-Time & Point of Failure   
  Recovery solutions
* Create custom web interfaces for doctors and nurses in an environment called Avatar
* Use Crystal Reports to extract data using SQL
* Implemented backup strategy for the new data center environment.
* **Restored** the database on **Staging servers** and **development servers** as per requirement.
* Configured high availability methods such as Replication with mirroring.
* Experience in **Maintaining SQL Server Security**, creation of **logins** and **users**, configuring permissions and assigning roles to users.
* Created and automated SQL server jobs & configured database mail, operators, alerts, & notifications
* Developed and administered SQL server & database security policies and procedures
* Enforced SQL server policy based management, audit and Transparent Database Encryption
* Performed database performance monitoring, analysis and tuning
* Troubleshoot and resolved database integrity, security, availability & performance issues
* Performed data ETL using tools like SSIS, DTS, BCP and Bulk Insert from heterogeneous databases like Oracle, MS Access, and DB2 to MS SQL.
* Performed database migration from SQL Server 2012 to 2014
* Built and maintained documentation related to the company's database environment
* Performed reviewing, optimizing and deploying of database scripts
* 24/7 DBA support in development and production environments.
* Experience in Query Optimization, Debugging, Tuning and improvising performance of the database, using the Oracle tools like Hints, Explain Plan, and TKPROF.
* Setup Oracle database in AWS and migrated data from Oracle on-prem to Oracle on EC2.
* Expertise in creating OLAP Cubes developed Multi-dimensional Expression (MDX).
* Create the Calculate member for Approved Capital using MDX Queries.
* Complete documentation about the database. Recovering the databases from backup in disasters, Always OnAvailability Groups, Files and File groups, Partition Strategy and Recovery model.
* Experience on working Microsoft SQL Server Management Studio 2016
* Perform SQL Server service pack and Windows Service pack upgrades
* Experience on database design forlarge databases.(terabyte databases)
* Developed normalized Logical and Physical database models to design OLTP system for insurance applications
* Used log shipping, Always On Availability Groups and Replication for synchronization of databases.
* Design/ developing SSIS **(**ETL) MDX developing components.
* Provided disaster recovery processes in the hybrid and public cloud
* Also quite involved with other cloud architectures not just AWS. Actively participate in development efforts, application design, and QA activities.
* Involved in complete database design including conceptual, logical and physical models.
* Expertise in designing databases and capacity planning.
* Designed AWS infrastructure to move our local applications to hybrid cloud, as an intermediate stage and then it will all public cloud.
* Setting up and Monitored transactional replication, Database mirroring on Production and QA servers.
* Monitored Log shipping/ Transactional Replication and troubleshooting errors.
* Scheduled and monitored all maintenance activities including database consistency check and index fragmentation.
* Wrote conversion scripts using SQL, PL/SQL, stored procedures, functions and packages to migrate data from SQL server database to Oracle database.
* Developed SSIS packages and schedule jobs for loading data between different sources.
* Implemented encryption of sensitive data in the databases using Data Encryption Standards like TRANSPARENT DATA ENCRYPTION (TDE).
* Encrypted data and log files using transparent data encryption (TDE) solution.
* Using new features of SQL Server 2008 like Log compression, transparent data encryption TDE, Policies, Performance data collector, Auditing.
* Explicitly used third party tools like Lite Speed, Fog light and Red gate.
* Analyzed execution plans, and tuned queries and databases for better optimal performance.
* Fixing Missing Indexes and Excess indexes
* Generated script files when changes applied to stored procedures and functions.
* Configured and deployed SSIS Packages from Test to Production Environments.
* Supported 24 X 7 Production On call
* Performed Loading & Extracting of data to/from the servers, planning & executing database backup and recovery tasks.
* CreatingSQL agent maintenance jobsfor purging data, maintaining indexes, archival operations
* Wrote several SQL Scripts such as findinglong running queries, blocking sessions, archiving datafrom production to archive server and populating reporting data.
* Implemented Replication for Reference Data across different Instances of the application.
* Created automatically running stored procedure for day-end operation using SQL Server agent.
* Performed Automatic and manual Test Failover on the nodes
* Developing stored procedures, triggers, views and adding/changing tables for data load and transformation, and data extraction.
* Created and managed schema objects such as tables, views, indexes, procedures, and triggers & maintained Referential Integrity.
* Created ADHOC reports using SSRS in BIDS.
* Created SSRS reports using Report Parameters, Drop-Down Parameters, Multi-Valued Parameters Debugging Parameter Issues Matrix Reports and Charts.
* Expertise andInterest includeAdministration, Database Design, Performance Analysis, and Production Support for Large (VLDB) and Complex Databasesup to 2 Terabytes.
* Created reports with Analysis Services Cube as the data source using SSRS**.**
* Created reports with Analysis Services Cube as the data source using SSRS**.**
* Created SSIS packages to validate, extract, transform and load data to data warehouse databases.
* Checked which Primary node is connected using Availability Listeners
* Experience in Implementing and Monitoring the Log Shipping.
* Managing Backups on a daily basis and Recovery as per request.

**Environment**: SQL Server 2016/2014/2012/2008R2, Windows server 2008/2003, SQL Profilers, Erwin, SQL Server Tuning Advisor Idera’s SQL Diagnostic Manager.

**Client: Molina Health care, Long Beach, CA Apr’ 15 – July 16**

**Role : Sr. MS SQL System Adminisrator**

**Responsibilities:**

* Installed and Configured SQL Server 2016/2014/2012/2008R2/2008 Enterprise edition on Active/Passive Cluster and standalone Environment.
* Patched and applied service packs, cumulative updates and hot fixes for MS SQL server
* Designed, configured & managed logical and physical databases
* Created database objects including tables, triggers, views, stored procedures, and indexes
* Set up database maintenance plan, disaster recovery plans and procedures
* Performed and managed database backup, restore, drive space, log space and Critical errors for all   
  production and non-production servers
* Implemented HA technologies of Replication, Mirroring, Clustering and AlwaysOn
* Implemented and tested the point in time recovery of the production databases
* Enforced SQL server security by managing logins, server roles, database users, roles and permissions
* Maintained performance & troubleshoot issues related to database integrity, performance & security
* Involved in **Migration** of SQL 2005 to SQL server 2008 R2.
* Configured and administered**SQL Clusters** (Active/Passive, Active/Active).
* Experience in Understanding structured **data analysis**, **data models**and **data normalization**.
* Involved in rewriting of all the functionality of SQL server 2005 to SQL server 2008 R2.
* Experience in setting up **Database Mirroring with witness Server** in SQL server 2008 R2 (Manual / Automatic fail-Over).
* Solid experience with **SQL 2008 R2 backup and recovery procedures**.
* Creating and **Maintaining Trace Audits** for **Security events** and generating Reports to analyze the Events.
* Created, automated and monitored jobs, database mail, operators and alerts
* Deployed SSIS packages and migrated data from heterogeneous databases like Oracle, MSAccess,   
  DB2 and text files to MS SQL
* Maintained proper documentation related to the institution's database environment
* Communicated effectively with other staffs to improve processes, solve problems and resolve conflict
* Provided 24X7 On Call support for critical production databases.
* Worked on SQL Server 2016 Installation and migration from SQL Server 2008 to 2016 and also to 2014.
* Monitoring/Maintaining/Troubleshooting High Availability options being used in servers Log Shipping, Replication, Mirroring and clustering.
* Use Oracle Data Integrator to design ELT process.
* Configuring and integrating pc-miler, cygwin, czar to the Transport management system
* Created various Data marts and assisted in complete Life Cycle including Design, Development and Testing of an application. Expertise in mapping data between Data Marts and the Enterprise Data Warehouse.
* Worked on Transactional Replication to achieve Load balancing using network authentication.
* Used log shipping, Always On Availability Groups and Replication for synchronization of databases.
* Involved in creating database Schemas, Logins, Clustered and Non-Clustered Indexes, Views, Functions, building Tables and writing Stored Procedures.
* Creating and modifying existing SSIS package from Oracle database to SQL database
* Analyzed, designed and developed Oracle forms 10g queries, layout, report triggers, parameter form, data models etc.
* Write Oracle Forms based triggers, functions, and procedures.
* Added functionality to ensure that it does not fail on log space. A threshold is fired to clear the log to ensure that data archival/purging runs smoothly.
* Experience in developing Tabular Models in SSAS, including loading data, scripting DAX/MDX queries, and building Hierarchies inside Tabular Models.
* Involved in Administration, Database Design, Performance Analysis, and Production Support for Large (VLDB) and Complex Databases up to 3 Terabytes.
* Used different type of third party tolls like Red-Gate, SQL Compare and Idera according to the requirement.
* Used third party macros to implement new chart functionalities in crystal reports.
* Exported reports from crystal to PDF and Microsoft excel formats
* Designed data architecture for one project with cloud computing environment using Amazon Web Services AWS for hosting the databases.
* Experienced in AWS cloud data center.
* Expert in creating a server, attaching volumes and configure the server settings in AWS environment.
* Designed and developed data warehouse data stores, and analyzed business requirements, developed target-source data mappings and delivering **ETL** processes for end-user **OLAP** and reporting initiatives (Used report services as and **OLAP** client schedule reporting tool ).
* Automated various DBA tasks and created alert mechanisms for CPU, Memory utilization, SQL errors and backup failures using power shell.
* Created stored procedures/Views/Triggers for the application developer’s team as per the business rule.
* Created logins and roles with the appropriate permissions.
* Performed DBCC utilities and fixed data corruption in application databases.
* Setting up of ALWAYS ON with configuration of AG Listener and Load Balancing via TSQL/GUI.
* Monitor backup jobs on all enterprise database and perform routine disaster recovery scenarios.
* Ensure that every user is connected to the Database Server and troubleshoot whenever there is any problem in the connectivity.
* Checking the free space of database, status of backup, troubleshooting the failed backups and restoration of databases.
* Used SQL Packager, Red gate tool to create an .exe file of the Database and deploy it to Development and QA.
* Database Backup and restores, and periodical database refreshes, using Red Gate.
* Performance monitoring using SQL Server profiler to find long running queries and dead locks.
* Expertise in Performance Tuning, Query Tuning, Index Tuning, Maintenance Troubleshooting.
* Created shared dimension tables, measures, hierarchies, levels, cubes and aggregations on MS **OLAP**/ Analysis Server (SSAS).
* Experience in Designing, converting SSAS Cubes 2000 to 2014, Building the Dimensions, cubes with star schema using SQL Server Analysis Services **(SSAS)** for analyzing purpose.
* Created calculated measures and dimension members using multi-dimensional expression (MDX).
* Used dynamic management views to track long running queries, most frequently used queries.
* Statistical mining SSAS, entity relationship diagram (ERD) database and used Erwin for physical and logical data modelling.

**Environment**: SQL Server 2016/2014/2012/2008R2, Windows server 2008/2003, SQL Profilers,RedGate, Erwin, SQL Server Tuning Advisor Idera’s SQL Diagnostic Manager.

**Carefirst, Baltimore, MD Feb’ 14 – March’ 15**

**Role : Sr. SQL DBA**

**Responsibilities:**

* Installed, configured and maintained SQL Server 2012/2008R2/2008 and applied hot fixes, cumulative updates and service packs.
* Hands on experience in Installing, Configuring, Managing, Monitoring, Troubleshooting SQL Server 2012/2008R2 on VM Ware Clustered and Standby Environments.
* Successfully migrated from SQL Server 2005/2008R2 to SQL 2012.
* Pre installation check before installing SQL Server 2008 that identified unsupported configurations.
* Experienced in Memory configuration for SQL Servers 2008 and 2012 on Windows 2008R2.
* Worked on Import/Export and Attach/Detach of the database.
* Implemented the new SQL Server 2012 mechanism like data compressions, online indexing, Contained Databases, security principles.
* Development of automated daily, weekly and monthly system maintenance tasks such as database backup, replication verification, Mirroring, database integrity verification, indexing and statistics updates.
* Configured Transactional and snapshot replication on SQL 2008R2 Servers.
* Installed and administered Two-Node Cluster Configuration (Active/Active and Active/Passive) in SQL Server 2008R2.
* Created and configured the database, with 2 file groups, created the tables having required constraints.
* Developing stored procedures, triggers, views and adding/changing tables for data load and transformation, and data extraction.
* Created and managed schema objects such as tables, views, indexes, procedures, and triggers & maintained Referential Integrity.
* Designed tables, created, and managed Sybase server to hold Sales, Support, Operations, and Billing data (read only).
* Familiar with Data Warehousing designs in Star and Snow flake Schemas.
* Design, Implement and maintained Database Schema, Entity relationship diagrams, Data modeling, Tables, Stored procedures, Functions and Triggers, Constraints, Indexes, Schemas, Functions, Views, Rules, Defaults and complex SQL statements.
* Created and Designed Data Source and Data Source Views Using SQL Server Analysis Services 2008 (SSAS).
* Providing **24/7**on call**support for all the Production servers**.
* Used **upgrade advisor tool** to check any prerequisites steps to be taken before migrating the Databases.
* Involved in **Migration** of **SQL Server 2005**to **SQL server 2008.**
* **Restored** the database on **production server** or **development servers** as per requirement.
* Daily **support, troubleshooting, monitoring, optimization**and**tuning**of server and SQL server environments across entire system.
* Distributed workloads across multiple computers, network links, and central processing units by using Load Balancing as a computer networking.
* Created Shell scripts and also used power shell to automate database operations.
* Automated the regular DBA tasks and Migration project using the POWERSHELL scripting.
* Rebuilding and Reorganizing the Indexes on weekly basis for better Performance.
* Implemented disaster recovery for SQL Server Production Database as Fail-Over or Standby Servers.
* Implemented the Data Collector to capture the CPU, DISK, Memory counters.
* Used tools like SQL Server Management Studio (SSMS), SQL Server Profiler, SQL Server Agent and Database Engine Tuning Advisor.
* Very good experience in the maintaining production servers, monitoring performance issues, trouble shooting and solving production issues.
* Database and SQL Tuning to improve performance of loads.
* Migrated new database structures, such as tables, indexes and stored procedures from development to the production environment.
* Creating Database(s) on SQL AZURE.
* Created & managed SQL Server AZURE Databases.
* Setting up Connection Strings and connecting SQL Server AZURE Databases from locally Installed SQL Server Management Studio (SSMS) for Developers.
* Worked on SSIS packages to load the data from application database to reporting database.
* Performed Administrative tasks in SQL Server using PowerShell

**Environment**: MS SQL Server 2012/2008R2/2008, Microsoft SQL Server Integration Services, Stored Procedures, Microsoft SQL Server Reporting Services, Microsoft OFFICE SUITE.

**Censeo Health, Dallas, TX Jan’12 - Jan'14**

**Role : MS SQL DBA**

**Responsibilities:**

* Development of T-SQL Stored Procedures for Export & Import of data from databases and Transaction Databases of different agencies.
* Create, Deploy and Manage Standard Business Reports using SSRS.
* Developed SSIS packages and schedule jobs for loading data between different sources.
* Write T-SQL Scripts for database backup jobs and automating the same.
* Installed, configured and maintained SQL Server 2005/2008 instances on Active-Active and Active-Passive Clusters.
* Understanding Business High-Availability needs and Implementing Backup and Recovery Procedures.
* Production Code Deployment and handling Concurrent user requests.
* Develop and Schedule SSIS and DTS packa0ges.
* Scheduling, Migrating, Deploying and Troubleshooting SSIS Packages.
* Created Views and Index Views to reduce database complexities for the end users.
* Performed Loading & Extracting of data to/from the servers, planning & executing database backup and recovery tasks.
* Implemented Replication for Reference Data across different Instances of the application.
* Setup Disaster Recovery solutions as per availability SLAs and participate in annual DR exercise.
* Continuous monitoring of SQL Server Performance.
* Document server and database policies and procedures.
* Reviewed third party tool (Idera) so as to help automate routine tasks such as monitoring, blocking and consolidate status of scheduled jobs.
* Manage enterprise-reporting (SSRS) Dashboard.
* Generated ad-hoc reports using MS-Access and Crystal Reports.
* Develop and Schedule SSIS and DTS packages.
* Developed stored procedures to load the date from application database to reporting database.
* Provided 24X7 dedicated support for SQL Server production server.
* Provide 24X7 dedicated support for SQL Server production server.

**Environment**: SQL Server 2008R2/2008, Transactional-SQL, TSQL, Crystal reports 8.0, Visual Studio.net, Third party tools (Idera diagnostic tools).

**Client: United Health Group, Eden Prairie, MN Aug' 10 – Dec’ 11**

**Role : MS SQL DBA**

**RESPONSIBILITIES:**

* Involved in various stages like system analysis, development, design, and creating stored procedures.
* Implementation of SQL Logins and Authentication Modes as part of Security Policy for various categories of user support.
* Security features were implemented for restricted set of users.
* Analyzing business requirements and build logical data models that describe all the data and relationships between the data.
* Wrote SQL stored procedures to implement business logic.
* Designing and validating the forms according to client requirements by using Visual Basic.
* Importing and Exporting of the Database using DTS utility.
* Involved in physical and logical design and schema for databases of new applications.
* Involved in Database Maintenance, Release, created SQL Agent jobs, Alerts.
* Database Management like adding secondary files, expanding file sizes, and shrinking data files when we get Space issues.
* Designed reports on the monitoring of SQL servers Performance. This report gives a detail report to the management on the performance of the server.
* Writing Stored Procedures, Functions and triggers based on the requirement.
* Fine tuning the Database settings as well as the Server Settings.
* Planning and implementation of database backup/restore and disaster recovery.
* Had good experience in 24X7 production support.

**Environment:** SQL Server 2008R2/2008/2005, Microsoft SQL Server Data Transformation Services, Microsoft Office Suite, Microsoft SQL Server Reporting Services.

**Client: Persistent, Hyderabad, INDIA. Oct' 09 - July'10**

**Role : SQL SEVER DBA/DEVELOPER**

**RESPONSIBILITIES:**

* Maintaining database for production and solving issues as and when needed.
* Created Clustered Indexes and Non-Clustered Indexes to increase the performance of database.
* Involved in creating the quarterly data required for Data Warehousing needs.
* Created logins as and when required for the application team and giving appropriate permissions to these Logins.
* Created Stored Procedures, User defined functions, Views and Wrote T- SQL codes maintaining query standards for the project.
* Created ER diagrams.
* Giving 24x7 ON call support to the application team.
* Involved in Optimization and normalization of database and tables.
* Involved in conceptual and physical modeling of data using ER Win tool.
* Managing and scheduling daily jobs relating to data transfers, backup and recovery, transaction log dumps.
* Installation and maintenance of SQL Server installations.
* Involved in creating Stored Procedures, views, tables, constrains.
* Dropped and recreated the indexes on tables for performance improvements.

**Environment:** SQL Server 2005, Microsoft Office Suite, Third party tools.