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| **Venkat Rao** **rao.dbasql@gmail.com****+1 ‪(214) 305-6620‬** |  |

I continually seek opportunities to grow both personally and professionally with a team of highly intelligent, motivated individuals that share my desire to search for new ideas, push computer and database to its limits, and discover ways and architectures to do things never done before.

**Technical skills:**

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| **RDBMS/DBMS:** | MS-SQL Server 2019/2017/2016/2014/2012/2008R2/2008/2005/2000 |
| **Languages/Tools:** | T-SQL, Data Transformation Services (DTS), OLTP, BCP, TOAD, SSIS, OLAP. Microsoft Visio, ER Studio, GIT, Eclipse, Java |
| **Cloud** | Microsoft Azure, AWS, Azure Data Factory |
| **Reporting Tools:** | Microsoft SQL Server Reporting Services |
| **Operating Systems:** | Windows XP, 2000, NT, Windows 2003,2008, 2012, Windows 7, Linux, Unix |
| **Data Warehouse/ BI Tools** |  SSRS, SSIS, Visual Studio, Business Intelligence Development Studio (BIDS) |

**Education:**

* Master of Science (Information Systems) from Madras University, TN, INDIA in 2002
* Bachelor of Computer Applications (BSc) from S.V University, Tirupati, AP, INDIA in 1999

**Professional Experience:**

**Client: Lifeine, MA July 2022 – Current**

**Sr. SQL Server DBA**

**Roles & Responsibilities**

* Managing On-Prem and Azure cloud **SQL Servers 2019,2017,2016 and 2008** versions**,** Installation, applying Service packs on all types of environments, providing 24x7 support for mission critical production databases
* Daily Maintenance of SQL Servers included reviewing SQL error logs, Event logs, Create and manage users, roles, and profiles to provide security for the database, Maintaining and configuring high availability
* Ensure all database servers are backed up in azure blob containers in a way that meets the business’s Recovery Point Objectives (RPO)
* Troubleshoot SQL Server service outages as they occur, including after-hours and weekends
* Managed the **Migration** of SQL Server 2008 databases to SQL Server 2017 and 2019, Working with customers on Application rollouts and server migrations
* Configure SQL Server monitoring utilities to minimize false alarms
* Deploy database change scripts provided by third party vendors
* Configured High Availability features like **Always On, Mirroring, Clustering**
* Work on performance issues, determine the most effective way to increase performance including hardware purchases, server configuration changes, or index/query changes
* Designing a successful **backup strategy** to ensure backups are done at regular intervals, worked DB refreshes, Backup and Restores
* Developed **SSIS package** to load data in to SQL servers from different sources and SQL agent jobs for maintenance
* Worked on Performance Tuning, Query Optimization, using SQL Server Profiler, Data Base Engine Tuning Advisor and other troubleshooting tools

**Environment:** MS SQL Server 2019,2017,2016 Management Studio, T-SQL, SQL Server Integration Services (SSIS), SSRS, ASP.Net, vb.Net, VB Script, MS Access, Unix, Linux, Windows Server 2008 and 2012

**Client: PBF Energy, NJ Mach 2020 – July 2022**

**SQL Server DBA**

**Roles & Responsibilities**

* Designing a successful **backup strategy** to ensure backups are done at regular intervals, worked DB refreshes, Backup and Restores
* Configure and support High Availability features like **Mirroring, Log Shipping, Clustering and Always On**
* Set up maintenance tasks such as database backups, consistency checks and Database optimizations, Create and manage users, roles, and profiles to provide security for the database
* Azure and AWS SQL Server installation, administration and maintenance in an IaaS and PaaS environment
* Managing SQL Server full database backup, T log backups and data restore, Scheduling Jobs and Alerts using SQL Server Agent.
* Performed the **migration** of SQL Server 2014 to SQL Server 2016.
* Designing and developing SQL Server 2008 Databases, Tables, Indexes, Stored procedures, Views, Triggers.
* Diagnosing and tuning the servers for optimal performance using **SQL Server SQL Profiler** and Database Engine Tuning Wizards and Solar winds DPA
* Coordinate with business and end users and gather all **data design** specifications as per customer requirements.
* Design **communication** process and prepare plans for all **work assignments** and ensure completion within deadline.
* Migration of **Sysbase, Oracle** databases from On-premise to **MS SQL Server 2016** AWS and Azure Cloud
* Implement robust backup and recovery strategies and procedures based on data volatility and application availability requirements in **Oracle**
* Coordinate with **enterprise systems** and applications and assist in merging various platforms.
* Design and fabricate various **SQL Server Integration packages** and prepare appropriate reports for data collection.

**Environment:** MS SQL Server 2008 Visual Studio, T-SQL, SQL Server Integration Services (SSIS), SSRS, SQL Server CE client, ASP.Net, vb.Net, VB Script, MS Access, Lite Speed Backup software, DTS, MDX, Sybase, OLAP, Linux, Windows 2008/XP, MS Visio.

**Client: Irvine Company, CA Oct 2016 – Mach2020**

**Sr. SQL Server DBA**

**Roles & Responsibilities**

* Managing **SQL Server 2008,2012 and 2014, 2016 and 2017** Installation, applying Service packs on all types of environment, providing 24x7 support for mission critical production databases
* Daily Maintenance of SQL Servers included reviewing SQL error logs, Event logs, Create and manage users, roles, and profiles to provide security for the database, Maintaining and configuring high availability
* Ensure all database servers are backed up in a way that meets the business’s Recovery Point Objectives (RPO)
* Troubleshoot SQL Server service outages as they occur, including after-hours and weekends
* Managed the **Migration** of SQL Server 2008 databases to SQL Server 2014, Working with customers on Application rollouts and server migrations
* Configure SQL Server monitoring utilities to minimize false alarms
* Deploy database change scripts provided by third party vendors
* Configured High Availability features like **Mirroring, Log Shipping, Clustering and Always On**
* Work on performance issues, determine the most effective way to increase performance including hardware purchases, server configuration changes, or index/query changes
* Designing a successful **backup strategy** to ensure backups are done at regular intervals, worked DB refreshes, Backup and Restores
* Developed **SSIS package** to load data in to SQL servers from different sources and SQL agent jobs for maintenance
* Worked on Performance Tuning, Query Optimization, using SQL Server Profiler, Data Base Engine Tuning Advisor and other troubleshooting tools

**Environment:** MS SQL Server 2008,2012,2014 Management Studio, T-SQL, SQL Server Integration Services (SSIS), SSRS, ASP.Net, vb.Net, VB Script, MS Access, Unix, Linux, Windows Server 2008 and 2012

**Client: BCBS, AZ Feb 2014 – Oct 2016**

**Sr. SQL Server DBA**

**Roles & Responsibilities**

* Managing **SQL Server 2008,2012 and 2014** Installation, applying Service packs on all types of environment, providing 24x7 support for mission critical production databases
* Daily Maintenance of SQL Servers included reviewing SQL error logs, Event logs, Create and manage users, roles, and profiles to provide security for the database, Maintaining and configuring high availability of **SQL Cluster, Replication, Database Mirroring and Log shipping in Physical and VMware (Virtual Environments)**
* Managed the **Migration** of SQL Server 2008 databases to SQL Server 2014, Working with customers on Application rollouts and server migrations
* Setup **transactional replication** between servers and supporting to run without outage, Performance tuning at database and server level **Upgrading servers from SQL 2005,2008 to SQL 2012**.MS SQL Server database administration like automating backups, shrinking, reindexing, changes for fixing the bugs
* Strong experience in setup of High Availability features like **Mirroring, Log Shipping, Clustering and Always On**
* Designing a successful **backup strategy** to ensure backups are done at regular intervals, worked DB refreshes, Backup and Restores
* Worked on performance issues and generated reports using **Foglight** Performance analysis tool
* Create, manage **SQL Server AZURE** and **AWS** Databases.
* Setting up Connection Strings and connecting SQL Server AZURE Databases from locally Installed SQL Server Management Studio(SSMS) for Developers
* Set up maintenance tasks such as database backups, consistency checks and Database optimizations, Create and manage users, roles, and profiles to provide security for the database
* Managing **SQL Server full database backup, T log backups and data restore, Scheduling Jobs and Alerts** using SQL Server Agent.
* Designing and developing **SQL Server 2012** Databases, Tables, Indexes, Stored procedures, Views, Triggers.
* Strong experience with **SQL Server performance tuning and optimization**, query optimization, index tuning, caching and buffer tuning.
* Created and developed the stored procedures, triggers to handle complex business rules, history data and audit analysis.
* Used **SQL Server profiler** for auditing and analyzing the events which occurred during a particular time horizon and stored in script.
* Created traces using SQL server profiler to find long running queries and modify those queries as a part of **Performance Tuning** operations.
* Created **databases** and **schema** objects including **tables**, **indexes** and applied **constraints**, connected various applications to the database and written functions, stored procedures and triggers.
* Involved in designing the physical databases model on **SQL Server 2008** RDBMS using different Data Definition and Manipulation languages (DML/DDL) implementing **constraints** and **triggers** for data integrity in development database.
* Monitored **performance** and **fine-tuned** the database objects and server to ensure efficient data retrieval.

**Environment:** MS SQL Server 2008,2012 Visual Studio, MS SQL Server 2008,2012,2014 Management Studio, T-SQL, SQL Server Integration Services (SSIS), SSRS, Foglight, ASP.Net, vb.Net, VB Script, MS Access, Lite Speed Backup software, DTS, MDX, Sybase, OLAP, Windows 2007/XP, MS Visio

**Client: Simplicity, VA June 2012 – Feb 2014**

**SQL Server DBA**

**Roles & Responsibilities**

* Managing **SQL Server 2008,2012 Installation**, applying Service packs on all types of environment, providing 24x5 support for mission critical production databases of sizes ranging from few GBs to 5 TB
* Setup transactional replication between servers and supporting to run without outage, Performance tuning at database and server level **Upgrading servers from SQL 2005,2008 to SQL 2012**.MS SQL Server database administration like automating backups, shrinking, reindexing, changes for fixing the bugs
* Performed the **migration** of SQL Server 2005 to SQL Server 2008R2 with DB size of 3TB.
* Worked on performance tuning using **RedGate**
* Automated regular DBA activities like Backup, Restore and DB refreshes using **Windows Powershell**
* Set up maintenance tasks such as **database backups, consistency checks and Database optimizations,** Create and manage users, roles, and profiles to provide security for the database
* Strong experience in setup of High Availability features like **Mirroring, Log Shipping, Clustering and Always On**
* Designing and developing SQL Server 2008 Databases, Tables, Indexes, Stored procedures, Views, Triggers.
* Created and developed the stored procedures, triggers to handle complex business rules, history data and audit analysis.
* Identify, analyze and review technical requirements for MEDD/RDS.
* Analyze current work flow and initiate process improvements to enhance the efficiency of existing work flow.
* Comprehend technical feasibility and define database specifications of reporting requirements.
* Translate the requirements to technical specification for development.
* Provide quality assurance/testing and analysis for deployed reports under UAT and post production deployment as per Software Development Life Cycle (SDLC) Process.
* Create **Stored Procedures, User Defined Functions, Views, T-SQL Scripting** for complex business logic.
* Created **SSIS** Packages to validate the accuracy of the report with the previous generated report.
* Worked extensively with **Slowly Changing Dimension** and **lookup Transformation** for implementing **Inserts** and **Updates**.
* Identify **SQL Server performance** issues through the use of dynamic management views and server statistics monitoring and offer solutions (execution plan optimization, index tuning, and query modification). In cases of hardware bottlenecks, identify the culprit and work with System Administrators to resolve the problem.
* Assist in performance assessment of the project.
* Responsible for monitoring, DB tuning and maintenance activities
* Managing SQL Server full database backup, T log backups and data restore, Scheduling Jobs and Alerts using SQL Server Agent.
* Worked on Performance Tuning, Query Optimization, using SQL Server Profiler, Data Base Engine Tuning Advisor and other troubleshooting tools.

**Environment:** MS SQL Server 2008 Visual Studio, MS SQL Server 2008 Management Studio, T-SQL, SQL Server Integration Services (SSIS), SSRS, SQL Server CE client, ASP.Net, vb.Net, VB Script, MS Access, Lite Speed Backup software, DTS, MDX, Sybase, OLAP, Windows 2008/XP, MS Visio, Cognos, RX Claim, RX track

**Client: HealthFirst, NY Oct 2009 – June 2012**

**SQL Server DBA**

**Roles & Responsibilities**

* Designing a successful **backup strategy** to ensure backups are done at regular intervals, worked DB refreshes, Backup and Restores
* Set up maintenance tasks such as database backups, consistency checks and Database optimizations, Create and manage users, roles, and profiles to provide security for the database
* Managing SQL Server full database backup, T log backups and data restore, Scheduling Jobs and Alerts using SQL Server Agent.
* Performed the **migration** of SQL Server 2005 to SQL Server 2008R2.
* Designing and developing SQL Server 2008 Databases, Tables, Indexes, Stored procedures, Views, Triggers.
* Created and developed the stored procedures, triggers to handle complex business rules, history data and audit analysis.
* Perform refreshes of development, reporting and staging environments from production database, Designing Database and estimation of future requirements, Monitoring and auditing users, Monitoring disk spaces on all the servers
* Weekly meetings with CCB (Change control board) & Infrastructure Administrators to ensure quality delivery & standard setup throughout the LOBs (Line of Business) and projects, aligned with defined process.
* Managing security roles in **SQL Suite.**
* Diagnosing and tuning the server optimal performance using **SQL Server 2005 SQL Profiler** and Database Engine Tuning Wizards.
* Coordinate with business and end users and gather all **data design** specifications as per customer requirements.
* Analyze business requirements and assist in appropriate **configuration** for all **solution architecture**.
* Design **communication** process and prepare plans for all **work assignments** and ensure completion within deadline.
* Monitor all data projects according to development **life cycle** and ensure compliance to **quality standards**.
* Administer design of **Business Intelligence projects** and develop dashboards and **operations for reports.**
* Develop reports and dashboards on **SQL servers**.
* Prepare **test cases** and plans and **perform tests** on systems.
* Install and assist to **configure** various **Business Intelligence tools**.
* Perform **troubleshoot** on all **Business Intelligence tools** and assist in resolution.
* Assist all clients to choose appropriate **Enterprise Business Intelligence tools**.
* Coordinate with **enterprise systems** and applications and assist in merging various platforms.
* Design and fabricate various **SQL Server Integration packages** and prepare appropriate reports for data collection.
* Good hands on experience with **SQL Server Integration Services**, **SQL Server** **Reporting Services** and **SQL Server Analysis Services**.

**Environment:** MS SQL Server 2008 Visual Studio, T-SQL, SQL Server Integration Services (SSIS), SSRS, SQL Server CE client, ASP.Net, vb.Net, VB Script, MS Access, Lite Speed Backup software, DTS, MDX, Sybase, OLAP, Windows 2008/XP, MS Visio.