**Vikranth Giri**

**917-373-0873 vikranthgiri.sql@gmail.com**

* **Over 8+ years** of experience in **Database Administration** and **Development** for very **large and complex databases related to Financial, Medical and Insurance etc..,** in **SQL Server 2012/2008R2/2008/2005/2000.**
* Experience in **Analysis, Design, Development, Testing and Maintenance, Capacity Planning,** **Performance** support of application systems of **OLTP** and **OLAP** databases in the **client-server**, **internet\internet** environments.
* Experience in migrating **SQL Server 2000** to **2005/2008/2008R2/2012.**
* Experience in implementing **Always On Availability Groups** in **SQL Server 2012**.
* Expert in **RDBMS** **S/W installation**, **applying patches**, **upgrading**, **configuring**, **trouble shooting** of SQL SERVER on **Windows 98/2000/03/08** servers and **Clustered VMware Environments.**
* Expertise in installing **Slipstreams, rolling patches, rolling upgrades** in Clustered Environment.
* Good knowledge on new features **Data Compression, Transparent Data Encryption** **(TDE), Policy Based Management, Backup Compression and Change data capture** in SQL SERVER 2008.
* Expert in **Disaster Recovery** plans by configuring **Clustering, Log-shipping, Mirroring and Replication (Snapshot and Transactional).**
* Handled up to **3 TB** databases in **Clustered** environment with good **Physical storage** configuration and Optimizing of **SAN** with different **Raid Levels.**
* Hands on experience in configuring **Clustering** in **Active-Active** and **Active-Passive nodes.**
* Expertise in automating the system by using **System** **Center Operations Manager (SCOM).**
* Experience in configuring **Replication and troubleshooting the issues with transactional replication.**
* Very good **T-SQL Programming skills.** Experience in **query optimization and performance tuning.** Used **SQL Profiler, Execution Plan, Performance Monitor and DBCC Commands.**
* **Expert in tuning the long running Queries and Store Procedures by examining the execution plans.**
* Hands on configuring **Temp DB** with considerable **Memory** and **Raid Levels** for better performance.
* Expertise in using **Performance Monitor/Profiler /Activity Monitor** to resolve **Dead Locks**, **Long Running Queries** and **Bottlenecks** caused by complex Queries.
* Excellent skills in database **Back Up, Restore, Recovery, Updating statistics, Rebuilding and Reorganizing indexes, Defragging Tables, Replication, Linked Servers and Database Maintenance Plan**.
* Created **Linked Servers** between SQL Servers and also to Oracle Databases.
* Maintained **User Permissions**, **Logins** and **Security Issues**. Monitored **Event Viewer’ s**, **SQL Error logs** and **Log Files** Viewer for S/W and H/W errors.
* Good knowledge in using **DMVs** and **DMFs** to finding and solving **Performance Issue**.
* Hands on experience in **Planning** and **Scheduling** **Maintenance Tasks** and **Scheduling Jobs** and **Alerts** using **Sql Mail.**
* Documented **Disaster recovery plans** and participated in **Disaster Recovery Drills** by implementing **Root Cause Analysis (RCA)** for troubleshooting and resolving the issues.
* Involved in **Change Control Management Process** for maintaining the consistency of databases.
* Working knowledge of **SOX Compliance** for maintaining roles and responsibilities, data integrity and database management.
* Expert in raising the **Service Requests** and keep tracking of requests.
* Expert in Detecting and Resolving **Locks** and **Deadlocks** using the Trace Flags and Native tools like Profiler and the Activity Monitor.
* Maintaining the **Service Level Agreements (SLA’s)** according to the clients requirement.
* Very Strong Experience with **OLTP** and **OLAP** Environment.
* Expert in creating and **debugging Views, Functions, Indexes, Cursors, Store Procedures, Triggers, Optimizing code and improving Efficiency.**
* Hands on experience in **Batch Processes, Import, Export, Backup, BCP, DTS and SSIS.**
* Expert in **Creating, Implementing, Configuring and deploying the SSIS Packages** from one server to other.
* Expert in migrating the **DTS Packages** to **SSIS Packages** by using Package migration Wizard.
* Expert in **Deploying, Scheduling** and running **SSIS jobs** by using **Proxy Accounts**.
* Experience in managing **OLAP Database Warehouse** by using services like **Analysis Services (SSAS), Integration Services (SSIS) and Reporting Services (SSRS).**
* **Data Modeling** Experience including Physical and Logical data modeling using Erwin tool
* Extensively used repositories like **Team Foundation Server (TFS)**, and **Visual Source Safe.**
* **Good Team player, Strong Communication skills and interpersonal with Self-motivation.**
* **24/7 on call production support.**

### TECHNICAL SKILLS

|  |  |
| --- | --- |
| Operating Systems | Windows 2012/2008R2/2008/2003/XP/Vista/7, Unix (Sun Solar), Linux. |
| Databases | **MS SQL Server 2012/2008R2/2008/2005/2000, MS Office Access 97/2000/2003, Oracle.** |
| ETL Tools | SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), SQL Server Analysis Services (SSAS), Data Integrator, Data Transformation Services (DTS) |
| **Database Tools** | **SQL profiler, SQL Query Analyzer, Index Analyzer, SQL Server Management Studio.** |
| Other Tools | Erwin, Red gate, LiteSpeed, Foglight, Idera,Visio. |
| Languages | T-SQL, C/C++, C#, java script, Visual Studio 2012/2008R2/2008/2005/2003, ASP.NET, VB.Net |
| Applications | Microsoft Office Suite, Adobe Photoshop, Acrobat Reader/Writer. |

**EDUCATION**

**Bachelor of Technology in Computer Sciences from JNTU**

**Professional Summary:**

**Boardwalk Pipeline Partners, Owensboro KY. November 2013 – Till Date**

**SQL SERVER DBA**

**Responsibilities:**

* **Installed, managed and administrated** the MS SQL Server 2012/08/05/200 **Production and Non Production Servers.**
* **Setup development, testing** **and production** environment with **SQL Server 2012** and 2008 **R2 Enterprise edition**.
* Performed installation of **SQL Enterprise 2005 64bit** version on Windows 2003, 2008 servers and **VM ware** servers on Enterprise systems of Clustered and **standalone** servers in enterprise datacenters. **Patch applications.**
* Handled up to **1.8 TB** size database in **Active Passive clustered Environment**.
* Involved **Upgrade and Migration** of **SQL Server 2005/2008 in placed, side by side** to MS SQL Server 2012.
* Worked in huge **Replication Environment.**
* Configured and worked on **Database Mirrored Environments**.
* Performed **Failover drill tests** to check the **High Availability during disasters**
* Worked on **High Availability 2012 Solutions Always On.**
* **Used Red Gate** for backups and maintenance jobs which includes **updating statistics**, **database integrity checks.**
* **Day-to-day** activities like **taking backup** (or schedule the backups daily for database and transaction log) on disk and **restore the databases**.
* Created **Logins** for the **users** and **manage their permissions**.
* Used **SQL Profiler** to monitor the **server performance**, **debug T-SQL** and **slow running queries.**
* Used **Bulk** insert to load **huge tables**.
* Worked in setting up the SQL Server configuration settings to resolve various resource **allocation & memory issues** for SQL Server databases and to **setup ideal memory**, **min/max server options**
* **Developed and created** the new **database objects** including **tables**, **views**, **index**, **stored procedures**, **functions**, **triggers**, **advanced queries** and also **updated statistics**
* **Modified Stored Procedures** and **complex T-SQL queries** to improve **query execution process**
* Created **Logins, Roles and Proxy accounts** with appropriate permissions and **maintaining Database Maintenance Plans**
* Configured **DB mail** by creating **accounts** and **profiles**.
* **Monitored alerts** using **FogLight** and **Spotlight** and also looked into **Event Viewer, SQL** **Error logs** and **Log File Viewer** for software and hardware related errors.
* Provided On call **Production support.**
* Implemented **partitioning** on large table to get the **performance**.
* **Tuned stored procedures** by using **execution plans**.
* **Continuous monitoring** server health with **Idera.**
* Worked extensively on **third-party tools** like **Redgate** for **backup** and restore.
* Used table hints in the queries to avoid locks in the server.
* Created missing **indexes** on the tables by running **Data Base Engine** T**uning Adviser**.
* Finding and solving **locks** and **Deadlocks** by using **DMV’s and DBCC** commands.

**Environment:** MS SQL Server  2005, 2008 R2, 2012, Windows 2003 Server, Windows 2008 R2 Server, Windows 2012 Server, ERWIN, MS Visual Studio 2010, Excel, HTML, Idera, RedGate.

**Sentara HealthCare, Virginia Beach, VA August 2012 - October 2013**

**SQL SERVER DBA**

**Responsibilities:**

* Administrated and Managed **SQL Server 2012/2008R2/2008/2005/2000** databases in **Production**, **Staging**, **QA** and **development environments**.
* Responsibilities include the **Production** and **Application** Support for the Database and Application Servers.
* Upgraded/Migrated **SQL Server 2000/2005/2008R2** databases into SQL server **2008R2/2012** and mentored other technical staff.
* Involved in implementation of **AlwaysOn Availability Group** as a **High Availability** solution on **SQL Server 2012.**
* Implementation of **SQL Logins, Roles and Authentication Modes as a part of Security Policies** for various categories of users.
* Resolving performance issues using **DMV**s (Dynamic Management Views).
* Used native tools like **Database Tuning Advisor, SQL Server Profiler, Performance Monitor and Activity Monitor** for performance tuning.
* Worked on everyday tasks and tickets based on priority levels from **TFS** ticketing system and saved/ updated all scripts related to the tasks in TFS using **visual studio 2010**.
* Installing, Configuring and Maintaining **SQL** **Server 2008R2/2008/2005 (64 bit) on Active/Active Cluster** with latest Service Packs, Hot Fixes.
* Implemented and Maintained routine DBA tasks like **scheduling jobs, creating maintenance plans.** Checked servers for optimizations and implemented them.
* Troubleshooting blocking issues, deadlocks using **blocker scripts**, trace flags and **activity monitor**.
* Designed the **Database Recovery plan** and implemented the **Database Mirroring in SQL Server 2008/2005** and participated in Disaster Recovery Drill processes.
* Extensively worked on **Log shipping** for **synchronization** of databases for **SQL Server High Availability.**
* Implemented new features in SQL Server 2008 like **Policy based Management**, **Table Compression**, **Backup Compression**, **SQL Server Auditing**, **Resource Governor** and **Merge statement** in T-SQL.
* Worked in **OLTP** and **OLAP** environment that includes **Production (24x7), QA** and **development databases** in **SQL Server.**
* Performed **data partitioning** for efficient management of database tables and indexes.

**Extensively working on performance issues like update statistics, Auto Stats.**

* Involved in **Change Data Capture process**.
* Worked in resuming suspended availability database in **Always On** availability groups by using **Powershell** and TSQL in **SQL Server 2012.**
* Participated in the designing and development of software using **agile** development practices.
* Involved in Analysis, Development and Maintenance of **Backup Plan**, **Disaster Recovery Plan**, Procedures and Strategies using **Maintenance Plans**.
* Designed and developed **SSIS** **packages** using different **control flow** **tasks, data flow task and data transformations.**
* Debugged and Deployed SSIS packages in to **file system server** and **MS SQL Server** with the help of **manifest file**.
* Designed, Developed, Configured and Deployed custom build **business reports** using **MS Reporting Services - SSRS**.
* Provided **24/7** Support for **Production**, **Development** & **Test** Servers of MS SQL Servers.

**Siemens, Alpharetta, GA. May 2011–July 2012**

**SQL Server DBA**

**Roles And Responsibilities:**

* **SQL Server 2012/2008R2/2005/2000 Database Administration**.
* **Migrated databases from SQL Server 2005 to SQL Server 2008R2 & to SQL Server 2012.**
* Implemented the **disaster recovery models** like **clustering, mirroring, log shipping** and **transactional replication**.
* Implemented and maintained **Always ON** new concept in **SQL Server 2012.**
* Implemented the new **SQL Server 2005 concepts like Data partitioning, Snapshot isolation, database mirroring, database snapshot, DDL triggers, try-cache blocks, online** indexing, **DMV’s, DMF’s, Mail Setup, Jobs, and Alerts, DTA, SQLCMD and dedicated admin connection**.
* Created Documentation for steps need to be taken while upgrading the **SQL server 2000 to SQL server 2008R2.**
* Worked on **SQL Server 2012** Features.
* Worked on multiple **Sybase servers** using **Unix Shell Scripting for database objects.**
* Captured DDL changes using **CDC (Change Data Capture)** on Table and Database level. Experience in **Database security and integrity planning**.
* Created **Maintenance Plans** for **Regular Backups and Rebuilding of Indexes**.
* **Tuning queries** which are **running slow** using **Profiler and Statistics IO** by using different Methods in terms of **evaluating joins, indexes, updating Statistics and code modifications**.
* **Configured more than 2 GB ram on 32 bit Environment.**
* Extensively used **Repositories** like **Team Foundation Server (TFS).**
* **Successfully** implemented the **Capacity planning** for different servers.
* Implemented new **T-SQL** features like **Data partitioning, Error handling through TRY-CATCH statement, Common Table Expression (CTE).**
* Migrated DTS **packages to SSIS** packages.
* Checked Database Health and consistency by using **DBCC Commands and DMVS**
* Monitored and modified Performance using **execution plans and Index tuning**.
* Worked in **Active passive cluster** environment.
* **Recovered the System and User databases from suspect mode.**
* **Expert in sizing Temp database.**
* Used **log shipping** for **synchronization** of databases.
* Prepared Documentation for the **Disaster Recovery** plan
* Wrote and debugged **Stored Procedures** and **(DDL /DML**)**Triggers** , **Functions** as per client requirements
* Assisted on the **Adhoc-Query** Requests based on the requirement by using **Joins, Sub Queries and Co-related Sub Queries.**
* Extensively worked on **trouble shooting and fine-tuning of databases** for its **performance**
* Designed and implemented comprehensive **Backup plan and disaster recovery**
* Worked extensively in **Query analyzer** and **profiler** for tuning queries using variable for characteristics and **query costs.**
* Daily routine **Developer/DBA** tasks like handling **user’s permissions** and space issues on **Production and Semi-Production** Servers and handling **maintenance Jobs.**
* **Performance Tuning** of the **Stored Procedures**.
* **Rebuilding the indexes** at regular intervals for **better performance**
* Managing the **VERITAS** net backups and **Litespeed.**
* In-depth knowledge of techniques for **analyzing query execution plans and tuning queries and databases for optimal performance**
* **Scheduled** and **monitored** all maintenance activities including d**atabase consistency check**, **index defragmentation**.
* Routine **Developer/DBA** jobs like **Backups** and **Restores**
* Hands on experience in trouble shooting database issues.
* Performed all basic **Database activities** like moving databases between servers, copy databases etc
* Used **Update statistics**, database integrity check and **Backup** operations
* Used **SQL server Reporting Services (SSRS)** to create reports.
* Monitoring SQL server performance using **profiler** to find the performance and **dead locks.**
* Worked **on call 24/7** Support on weekly basis.

**Environment: Windows 2003, Windows Server 2008R2, MS SQL Server 2012/2008R2/2005/2000, Oracle, .net, VB** and **ASP**.

**MD State Dept. of Health & Mental Hygiene**, **Baltimore, MD** **July 2010 - April 2011**

**SQL Server DBA**

**Roles And Responsibilities:**

* Implemented **SIDE BY SIDE Migration** of MS **SQL SERVER 2000 to 2005/2008/2008R2** on **Windows**
* Migrated **DTS 2000 PACAKGES to SSIS** packages and maintained the archival data using **Control flow task.**
* Configured the **AWE and 3 GB** switch for the 32 bit 2005 server.
* Applied **Patches and Service packs** to update different versions of **MS SQL SERVER.**
* Fixed the failed **PRINCIPALS (logins),** **user permissions** and security in **ACTIVE DIRECTORY and SQL SERVER LEVEL.**
* Implemented native **log shipping** **on MS SQL SERVER 2008R2**.
* Scheduled regular **BACKUP JOBS** and kept track of **DATABASE** by receiving the emails on **Alerts.**
* Implemented the new **SQL Server 2005** concepts like **Data partitioning**, **Snap shot Isolation**, **Database Snapshot, DDL triggers, Try-Cache blocks, Online Indexing, DMV’s, DMF’s, DTA,SQLCMD and dedicated admin connection, Common table Expression(CTE).**
* Used **CDC (Change data capture), Table valued parameters** and other new features in new applications.
* Implemented **DATABASE MIRRORING ON MS SQL SERVER 2008R2.**
* Moved files between the **File Groups and partitioned** the tables to improve the performance.
* Extensively used **litespeed backup** with **MS SQL SERVER 2005**.
* Utilized the new features of **2008 like TDE, MERGE STATEMENT and Compressed Backups.**
* Good knowledge on new concepts of 2008 like **PowerShell.**
* Documented and performed the data base health checks regularly.
* Created new **tables, stored procedures and triggers IN T-SQL**.
* Re-factored and **fine tuned the queries and stored procedures in T-Sql.**
* Used native tools like **DATA BASE TUNING ADVISOR, PROFILER and ACTIVITY MONITOR** for performance analysis.
* Implemented **log shipping** for **Production server** data base as part of the disaster recovery.
* Created **baseline and sampling intervals** in the perfmon considering threshold values of the **counters.**
* **Rebuilding indexes** with different **fill factors** and **update statistics** manually.
* Implemented native log shipping for **HIGH AVALIBLITY** of the Production Server **DATA BASE.**
* Generated reports in **SSRS using BIDS** (**Business Intelligence Development Studio).**
* Deployed **SSIS** package for bulk insert and maintained archival data.
* Handled monthly Database Refresh in **QA-Test environment for testing of new Deployments and Build.**

**Environment:** TSQL,MS SQL SERVER 2000/2005/2008/R2, SSRS, QUERY ANALYSER, VISUAL STUDIO 2005 ,VB.NET, C#, WINOWS SERVER 2008, IIS.

**Informa Investments, NY January 2009 –June 2010**

**SQL Server DBA**

**Roles And Responsibilities:**

* **Database Administrator**, Database Programming.
* Worked on Client/Server tools like **SQL Server Management studio (2005), SQL Server Enterprise Manager (2000) and Query Analyzer to Administer SQL Server.**
* **Migrated SQL server 2000 databases into SQL server 2005** databases by In-place upgrade process and also used upgrade advisor tool in up-gradation.
* Designed and implemented **Security policy** for SQL Servers
* Implementation of **SQL Logins, Roles** and **Authentication Modes** as a part of **Security Policies** for various categories of users.
* **Rebuilding the indexes** at regular intervals for better performance
* Designed and implemented comprehensive **Backup plan and disaster recovery** strategies. Implemented and **Scheduled Replication process** for updating our **parallel servers**
* Automated messaging services on server failures, for **task completion** and success.
* Using the **Litespeed** to take backups.
* Involved **in trouble shooting and fine-tuning of databases** for its **performance and concurrency**
* Monitored and modified Performance using **execution plans and Index tuning**.
* **Recovering** the databases from **backup in disasters**
* Maintaining the database **consistency** with **DBCC** at regular intervals
* Using **log shipping** for synchronization of database.
* Good experience in data modeling a **metadata services**.
* Expertise in **SQL Server Analysis Services**.
* Monitoring SQL server performance using profiler to find performance and **dead locks.**
* **Expertise creating and supporting in OLAP Cubes**
* To provide 24x7 production support for over **150 SQL Server databases** on **Clustered Servers** with sizes ranging from **1** to **2 Terabytes** to achieve maximum performance and uptime in **production environment**.
* Involved in **Change Data Capture** process.
* To provide direction and development DBA support to over 50 software developers located in various branches in US, Europe, and Asia.
* To analyze **long running slow queries** and tune the same to optimize application and system performance.
* To set up SQL Server configuration settings to resolve various resource **allocation & memory issues** for SQL Server databases and to setup **ideal memory, min/max** server options.
* Played a key role in business **requirements analysis, architecture design, physical and logical Data modeling, application development, testing, training, production support and Project** review with client.
* To **setup, implement**, and maintain industry standards in database management.
* To maintain **change control** and **release management** process for all database objects like **tables, views, procedures, and triggers.**
* To implement all database development enhancements to multiple SQL Server databases to ensure a flawless functioning of production environment.
* To perform **installations & performance tuning**, manage **capacity planning & user accounts**, and implement database security for multiple instances of **development, certification, QA,** and **production SQL Servers databases.**
* To design & develop data models and perform ***forward* and *reverse engineering***using data modeling tools like ***ERWIN****.*

**Environment:** SQL Server 2000 with clustering, Sybase, T-SQL, LiteSpeed, Windows 2000, Oracle, VB and ASP.

**Smart Software Tech. Dev. Pvt. Ltd. (INDIA) August 2005 – December 2008**

**SQL Server DBA/Developer**

**Description:** This application is used to supply data to different customers. Depending upon the requirements of customers, data is supplied in appropriate formats. All the data related to customers, in their respective data formats and the schedule details are stored in database. This application will generate tab delimited text files from database, in the required format and these text files will be uploaded to the customers through FTP. These applications have greater flexibility in the sense that there is no need to change the code for each and every new customer. Whenever a customer requires new data / new customer is added, then all the details about the data requirement and schedule details are added to the database using VB application. BCP, Bulk insert, Snapshot Replication and DTS package technologies are extensively used throughout the application. This project eliminated the human Intervention to greater extent and reduced the Database Maintenance work.

**Roles And Responsibilities:**

1. Involvement in the **Design and Development of Database**.
2. Creating Automatic **data loading Procedures** from the host system to master systems
3. Used stored procedures**, bcp and DTS Packages**
4. Involved in automation of the job and was involved in **daily monitoring of the tables and indexes for performance**
5. Monitoring **Log shipping/Replication** and trouble shooting of errors
6. Security issues related to logins database users, and application roles and **linked Servers.**
7. **Performance Tuning** of SQL 7.0
8. Analyzing the problems in the production environment and try to develop new procedures and methods for monitoring the problems and send alert messages to take pro-active action.
9. **Backup and Restoration** of data/database.
10. Involvement in **Development and Implementation**
11. **Designing the database**
12. Creating Automatic data loading Procedures from the **host system to master systems**
13. Used **stored procedures, bcp and DTS Packages**
14. Security issues related to **logins database users** and application **roles and linked Servers.**
15. Timely completion of activities for database **backup, restoration** **and health check of databases.**
16. Involved in trouble shooting and **fine-tuning** of databases
17. Tuning front-end applications like **Visual Basic and MS Access**, which query the SQL Server databases. Troubleshooting ODBC and OLEDB issues between the application and the server.
18. Scheduling Full and Differential **Database backups to disks**, tapes or remote servers, using batch scripts, **TSQL** and Maintenance Plan Wizard and configure appropriate **Recovery Model** for the databases.

**Environment:** SQL Server 7, SQL SERVER 2000, MS-Access, Visual Basic 6, and Windows NT Server and Windows 2000.