**Manish Kotti**

**SUMMARY:**

* **Six (7+)years** of IT experience in Database Administration, Design, Development, Installation and Supportof **MS SQL Server2012/ 2008 R2/ 2008/ 2005**in Production, Testing and Development Environments.
* Expertise in MS SQL Server Installation, Upgrade, Configuration, Migration and Maintenance.
* Extensive experience in **T-SQL Programming** in developing **Stored Procedures, Indexes**,**Views, Triggers, User defined Functions, Cursors, Derived tables**, **Common Table Expressions (CTEs)** and Complex Queries involving multiple tables **inner and outer joins** on **SQL Server 2005/2008/2008 R2/2012.**
* Expert in **Backup and Restore** of the Databases.
* Expert in SQL Server **Clustering**, implementing **Active/Active** and **Active/Passive** clustering.
* Knowledge on **Always-On** availability groups.
* Hands on experience in maintaining **Replication (**Snapshot, Transactional, Merge and Peer-Peer**)**, **Log Shipping** and **Mirroring** as **Disaster Recovery** Procedures.
* Experience in SQL Server **Performance Tuning**, **client/server connectivity**, **Query optimization** and running **Database Consistency** Checks using **DBCC** Commands.
* Experience in using **Audit functions** and extensively used **Exception Handling** for catching and reporting errors.
* Experience in **DB Security** by creating logins, users, roles, and assigning permission to them.
* Experience in using **SQL Server Profiler**and**Activity Monitor**to monitor the SQL server for deadlocks, long running queries and tune the same to improve performance.
* Expert on monitoring disk space and memory optimization.
* Excellent in creating **SSIS** Packages for integrating data using various **connection managers** (**OLE DB**, **Flat file**, **ADO.NET**, **Excel**) from heterogeneous sources (**Excel, CSV, Oracle, flat file, Text Format Data**) by using multiple transformations provided by SSIS such as **Data Conversion, Execute SQL Task, Data Flow Task, Conditional Split, Merge, Sort, Bulk Insert**, **Union All,**etc.
* Experience in some basic development of coding in **VB.NET, C#** while working with SSIS.
* Experience in **scheduling the jobs** for SSIS packages, Sending Alerts using SQL Mail.
* Strong experience in **SSRS** development skills, experience including **Tablix, Matrix, Chart, Graphic Score Card Reports, Sub-reports**.
* Developed complex Stored Procedures and views to generate various **Drill-through, Drill-down reports, Parameterized reports** and **Linked reports** using **SSRS 2012/ 2008 R2/ 2008/ 2005**.
* Generatedreports using **MSReport Builder 3.0** tool.
* Good knowledge with **Data Marts**, **Data warehousing, OLAP**, **Star Schema** Modeling, **Snow-Flake** Modeling, **Facts, Dimensions, Partitions and Tables** using **SSAS 2012/ 2008 R2/ 2008/ 2005**.
* Very good knowledge in building**Cubes** using **SSAS** and **MDX.**
* Experience in data **Normalization, De-Normalization** and **Normal**forms.
* Involved in various phases of **Software Development Life Cycle (SDLC)** including Analysis, Design, Testing, Implementation and Maintenance.
* Very good communication skills, good interpersonal skills & desire to excel, fast learner, hardworking and a versatile team player.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Databases** | SQL Server 2005, 2008, 2008 R2, 2012 and MS-Access 2007/2010 |
| **Database Tools** | SQL Server Management Studio, SQL Server Profiler, SSIS, SSAS, SSRS, SQL Server Report Builder 3.0, MS Access, Business Intelligence Development Studio/SQL Server Data Tools, MS Visual Studio, TFS, Cisco VPN Client. |
| **Languages** | T-SQL, C#, VB.NET & XMLA |
| **OS** | Windows Server 2000/2003/2008/2012, Windows XP |
| **Web Servers** | Internet Information Server |
| **Architecture** | Relational DBMS, Client-Server Architecture, OLTP, OLAP |
| **MS Office Tools** | MS-Word, MS-Excel, Power Point, MS Access |

**EDUCATION:**

* **Bachelor of Science**- Tribhuvan University, Nepal
* **Diploma in Database Development-** College of Software Engineering, Rajbiraj, Nepal

**WORK EXPERIENCE:**

**IBM, San Diego, CA (Jul-2016 to Present)**

**SQL Server Developer/ DBA**

**IBM (International Business Machines Corporation)** is a multinational technology company with operations in over 170 countries. IBM manufactures and markets computer hardware, middleware and software, and offers hosting and consulting services in areas ranging from mainframe computers to nanotechnology. End client of my project wasCareFusion and I wasworking in developing codes for a medical device.

**Responsibilities:**

* Createand DebugComplex Stored Proceduresin SQL Server 2012.
* Be aware of potential blocking, deadlocking and write code to avoid those situations.
* Create Entity Relationship (ER) Diagrams.
* Participate in discussions involving the application creation and understand the requirements and provide the back-end functionality for the applications.
* Check performance related issues.
* Performance Tuning and Query Optimization
* Backup and Restore of the codes.

**Environment:**Windows Server 10, SQL Server 2012, MS Excel 2013, MS Visual Studio 2013, Cisco VPN Client.

**EMC2, Southborough, MA**  (**Jun-2015 to Jun-2016)**

**SQL Server DBA**

**EMC Corporation** (**EMC²**), a global leader in IT and business transformation, sells data storage, information security, virtualization, analytics, cloud computing and other products and services that enable businesses to store, manage, protect, and analyze data in a more agile, trusted and cost – effective way. EMC has over 70,000 employees and is the world’s largest provider of data storage systems by market share.I was working closely with development, QA and BI teams, and my role included database design, development and maintenance, performance monitoring, security management, building reports using SSRS and developing SSIS packages.

**Responsibilities:**

* Installed and configured **SQL Server 2012**on Windows 2008/2012 servers, applied service packs and security fixes in Clustered and Standalone environments.
* Worked extensively in writing and debugging **Complex Stored Procedures, Triggers, and Inner Joins, Outer Joins, Views and user-defined Functions.**
* Implemented end to end **Replication** for the real time data flow between the SQL Servers.
* Implemented **high availability solutions** for mission critical SQL Server databases with **Clustering and Mirroring**.
* Monitored database quality including database consistency check with **DBCC**, **Defrag**, and **Index tuning** and monitored error logs.
* Responsible for **Query optimization** and **Performance tuning**.
* Worked extensively on data maintenance like **re-indexing**, **integrity checking**, and **database shrinking**.
* Designed and implemented **Disaster Recovery** site using SQL Server**Log Shipping**.
* Managed server **Logins**, database **Users** and permissions.
* Implemented **Backup** and **Restore** in SQL Server 2012.
* Used **Activity Monitor** and **SQL Profiler** to optimize queries and enhance the performance of database servers.
* Involved in data migration from **Oracle** (**PeopleSoft**) to **SQL Server 2012** using **SSIS**.
* Involved in **Changed Data Capture** and **Aggregations** during **ETL** process.
* Created **SSIS packages** for processing data and moving to staging area for massaging and data scrubbing.
* Used **Conditional split, Derived column** and **Data Conversion task** for cleaning the data.
* Implemented **incremental loading** as per the daily changes in source database and applied **event handlers**, **checkpoints** and **error logging** on the failure of packages.
* Created reports, **drilldown reports** according to requirement and for day to day analysis purpose by creating stored procedure and views and deployed them on **SSRS** server.
* Scheduled and maintained nightly and weekly loads of data by creating the corresponding job task by using **ScheduledJobs** and **Alerts** using **SQL Server Agent**.

**Environment:**Windows Server 2008/ 2012, SQL Server 2012, SQL Server Data Tools (SSDT) 2010, SSIS 2012, SSRS 2012, MS Excel2010/2013, MS Visual Studio 2012.

**MB Financial Bank, N.A., Rosemont, IL (Oct-2013 to May-2015)**

**SQL Server DBA**

**MB Financial Inc.** is the Chicago-based holding company for MB Financial Bank, N.A. with over $15 billion in assets. For over 100 years, MB has been supporting and building deep and lasting relationships with middle-market companies and individuals withinvestment banking, financial services for consumers, small business and commercial banking, financial transaction processing, asset management, and private equity.I was working on Re platform project and my role was to manage MS SQL Servers,develop and maintain databases, Performance tuning, disaster recovery and security management.

**Responsibilities:**

* Installed and Upgraded from **SQL Server 2008 R2** to **SQL server 2012** on Various Production Servers.
* Involved in programming complex SQL queries, stored procedures, views, user defined functions and triggers.
* Actively involved in installing and managing multiple 2 node **failover cluster** set up in **active/passive** environment as a **High Availability** mechanism.
* Implemented and Monitored different types of **Replication** (Snapshot, Transactional, Merge and Peer-Peer).
* Implemented database **mirroring** and **log shipping** for **disaster recovery**.
* Scheduled and managed daily **Jobs** relating to **data transfers**, **backup** and **restore**.
* Created **Alerts** for successful or unsuccessful completion of scheduled Jobs.
* Maintained database consistency with **DBCC** at regular intervals. Involved in **troubleshooting** and **fine-tuning** of databases for its performance and concurrency.
* Experienced in **Query optimization** and **Performance tuning**.
* Created **Clustered** and **Non-ClusteredIndexes** to increase the performance of database.
* Used **SQL Profiler** and **Activity Monitor** to enhance the performance of database servers.
* Resolved **Deadlocking, Blocking** and **locking** issues by creating a trace using**SQL Profiler**.
* Implemented SQL **Logins**, **Roles** and Authentication Modes as a part of Security Policies for various categories of **Users**.
* Managed the use of **disk space**, **memory**, processor and connection.

**Environment**: SQL Server 2008 R2/2012, MS Access 2010, T-SQL, Windows 2008/2012, MS Excel 2010/2013.

**Election Commission, Nepal**             **(Apr-2012 to Jul-2013)**

**SQL Server DBA**

Election Commission of Nepal is a constitutional Election Management Body in Nepal. I was working in Information System Management Section of IT Division, and I was mainly involved in managing databases in SQL Server 2008/ 2008 R2 regarding Voter Registration and Political party registration.

**Responsibilities:**

* Remote Monitoring of **SQL Server 2008/2008 R2**.
* Migrated SQL Server 2008 to SQL Server 2008 R2.
* Configured **Database mail**, **Linked server** and **Database mirroring.**
* Created maintenance plan for regular database **Full, Differential,** and **T-log backup**.
* Implemented**Snapshot** and **Transactional Replication**.
* Successfully implemented **High-Availability** solution in SQL Server 2008/2008 R2.
* Implemented **disaster recovery** for SQL Server Production Database as Failover or Standby servers.
* Used **Log Shipping** Technique for warm backup solution for MS SQL Server databases.
* Wrote **complex T-SQL** queries using **Inner Joins, Outer Joins** and **Cross Joins**.
* Created **Users** and **Roles**, and managed security and permission of database.
* Used **Activity monitor** and **SQL Profiler** to monitor the server performance, debug T-SQL and slow running queries.
* Responsible for enhancing database objects including **Tables, Indexes,** and **Stored Procedures** and **SQL jobs**.

**Environment:** SQL Server 2008/2008 R2, Windows 2003/2008, T-SQL, MS Excel 2007.

**Swift Technology, Kathmandu, Nepal (Jan-2011 to Apr-2012)**

**SQL Server DBA**

**Swift Technology** is a pioneer IT Service Provider in Nepal with outstanding experience in delivering custom database development, desktop, distributed and networked application design as well as development of various web components and projects.

**Responsibilities:**

* Performed **Installations** and **configuration** of **SQL Server 2005/2008**.
* Created new **Tables, Indexes, Triggers, Static/Dynamic Stored Procedures, Cursors** and **User Defined Functions.**
* Developed and Maintained **database architecture**.
* **Job Scheduling**, **batch alert** and **E-mail notification** setting.
* Worked on **DTS** Packages, and used **DTS Import/Export** to transfer data between various SQL Server instances.
* Performed **Backup** and **Restore** operations.
* Implemented and monitored**Replication**,**DB Mirroring** and **Log-shipping**
* Carried out **Performance tuning** and **troubleshooting of SQL queries** and stored procedures using **SQL Profiler**and **Statistics I/O**.
* **Transferred data** from various heterogeneous data sources like **Excel, Fixed Width Flat Files**, and **MS Access** to **SQL Server 2005/2008**.

**Environment:**Windows server 2000/2003/2008, SQL Server 2005/2008, BIDS,T-SQL, DTS,SSIS 2005/ 2008, MS Excel 2007, MS Access 2007/2010.

**Himalayan Bank Ltd., Kathmandu, Nepal (Feb-2010 to Dec-2010)**

**Jr. SQL Server Developer**

**Responsibilities:**

* Created database objects like **Stored Procedures**, **Functions**, **Triggers**, **Indexes** and **Views** using T-SQL in SQL Server 2005.
* Experienced in **Debugging Stored Procedures** and **Triggers** and **Troubleshooting database issues**.
* Experienced in optimizing the database by creating various **Clustered, Non-Clustered Indexes** and **Indexed Views**.
* Good experience with **creating alerts**, **schema management**, **database reorganization**, **data loading, database maintenance** and **optimization**.
* Performed **Backup** and **Restore** of databases.
* Configured **Log shipping**to create stand by environment.
* Created and deployed Table, List, Charts, and Matrix Reports using **SSRS2005**.
* Perform data migration from MS Excel, MS Access and Flat files to **SQL Server 2005** using ETL tools like **DTS** and **BCP**.

**Environment:** SQL Server 2000/2005, BIDS, DTS, TSQL, SSIS, SSRS 2005, Windows 2000/2003, MS Excel 2007.