**NAG.MADINENI**

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**PROFESSIONAL SUMMARY:**

* A highly motivated professional with excellent technical background in SQL Server Development and Database Administration and Business Intelligence tools. Experience includes administration and maintenance of Development and Production Servers related to Financial, Healthcare, and Manufacturing databases. Experience includes gathering data requirements, designing and fine-tuning databases. Proven strengths are quick learning, analytical and systematic thinking, troubleshooting, problem solving, creativity, team work, energetic personality and a keen eye for continuous improvement. Experience in working with diverse people and work environments
* Over 10+ years of IT experience of experience in **Azure** Database Administration and Business Intelligence tools. Microsoft SQL Server (2000, 2005, 2008R2, 2005, 2012,2014 & 2016) Database and in Microsoft Business Intelligence (MSBI) – SQL Server Integration Services (**SSIS**), SQL Server Analysis Services (**SSAS**) and SQL Server Reporting Service (**SSRS**).
* Experience with complete **SDLC** life cycle, which includes requirement gathering, analysis, design, development, Testing and Deployment.
* Experience in maintaining 32-bit, 64-bit MS SQL Servers in Production, Development, Staging and Testing in Clustered and Stand-alone server Environment.
* Effective interpersonal, conflict resolution skills. Team oriented, technically motivated and creative.
* Capable of forming and maintaining positive and productive working relationships in internal/external and team environments.

**SQL AZURE / Microsoft Cloud Database Services** :

* Subscribe SQL Server Azure Cloud Services.
* Create Database(s) on SQL **AZURE**.
* Setting up SQL **Azure** Firewall.
* Create, manage SQL Server **AZURE Databases**.
* Setting up Connection Strings and connecting SQL Server AZURE Databases from locally Installed SQL Server Management Studio(SSMS) for Developers.

**T-SQL Experience (OLTP) :**

* Possessed Excellent T-SQL Programming skills and Effectively Used Advanced Programming Concepts like CTE’s, Windows Functions, Table Partitioning, Apply Operators, Table Valued Parameters, Output Clause, Merge Statement, Pivot, XML, Dynamic SQL, Table Valued Functions etc.
* Used SQL Profiler, Execution Plans, DMV’s, Database Engine Tuning Advisor and Created Suitable Indexes for Query Performance Tuning and Optimization.
* Implemented Stored Procedures with TRY-CATCH Blocks, Database E-mail for Error Handling and Effectively Used Join Hints, Isolation Levels to reduce Locking and Blocking.
* Used DMV’s and Locking Queries to find out Locks, Deadlocks and Long running Queries or Transactions.
* Written Scripts for Deploying the code across various SDLC Environments like Test,UAT and Production
* Experience in implementing different types of Replication models like Snapshot, Transactional and Merge
* Involved in Data Modeling (Logical and Physical Design of Databases), Normalization and building Referential Integrity Constraints
* Involved in monitoring database maintenance plans for checking database integrity, rebuilding, reorganizing indexes, Shrinking Databases, updating statistics, creating and Scheduling SQL Server Agent Jobs.
* Used Some of T-SQL 2012 New Features like Sequencer, Throw Statement, Fetch and Offset and Functions Like Lead(),Lag(),Format(),Concat(),First\_Value(),Last\_Value(),EOMonth(),TRY\_Convert() etc.

**Database Management Experience (DBA) :**

* Proficiency in Database Design, Administration, Performance Analysis, and Production Support for Complex and Large Databases (VLDB) up to 7 Terabytes.
* Expertise in Creating Linked Servers for Data transfer between SQL Servers and other heterogeneous relational databases such as Oracle and DB2.
* Experience in implementing High availability and Disaster Recovery (HADR) concepts through Clustering, Replication, Log shipping and Mirroring on physical and virtual machines.
* Extensively worked on multiple replication topologies like Transactional Replication, Snapshot Replication, peer to peer Replication and Merge Replication.
* Implemented the new SQL Server 2012 mechanisms like data compression, online indexing, Contained Databases, security principals and AAG (Always on Availability Group).
* Monitoring the Event logs and Server error logs using DBCC utilities for troubleshooting purposes.
* Created effective Backup and Recovery plans to recover data to a Point-in-Time or Point-of-Failure in case of a disaster.
* Expertise in Performance Tuning, Query Optimization, Client/Server Connectivity, Database consistency checks **using DBCC Utilities,** using Profiler to resolve Dead Locks/Long running queries on 32 bit and 64 bit clustered and standalone server environments
* Expertise in Performing database consistency checks using DBCC Utilities and handling data corruption in user databases. Strong experience in working with team on documentation and 24/7 on call production support.
* Experience working with server-side trace. Strong knowledge of VMWARE.
* Expertise in Identifying the bottlenecks caused by complex queries using Activity Monitor/SQL Profiler and handling them by implementing better Query Execution plans.
* Thorough with Database Server maintenance tasks like Managing Logins and Permissions, Database Mail Setup, Creating and Scheduling Jobs, and Alerts.
* Optimized Indexes for better performance using SQL Query Plans at Query Analyzer and Index tuning wizards.
* Monitored the database activity to identify and resolve the performance issues using SQL Server Profiler.
* Thorough Understanding of different RAID levels implementation, Active Directory Configuration.
* Expertise on physical storage SAN configuration on different RAID levels.
* Worked with SQL Server Lite speed tool for backup and recovery and Implemented Database Mirroring to provide high availability and fault tolerance.
* Good experience with logical and physical modeling of database by using Erwin and MS-Visio.
* Experience in Normalization, Database design, Performance Analysis and Production Support for very large (VLDB) and Complex Databases.
* Expertise in Migrating/Upgrading SQL Server 2000 to SQL server 2005 and from SQL Server 2000/ 2005 to SQL Server 2008 and from SQL Server 2005/ 2008 to SQL Server 2012
* Experience in Software Development Life Cycle (SDLC), Analyzing and Designing systems using Structured Methodologies (ERD, DFD) along with extensive knowledge of Relational Database Management Systems with in-depth of T-SQL.
* Experience in Batch processes, SSIS, DTS, BCP, Import & Export and Transparent Data Encryption (TDE).

**SSIS Experience (ETL) :**

* Designed ETL packages dealing with different data sources (SQL Server, Oracle, Flat Files, Excel Files, and XMLs etc.) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Developed SSIS Packages with Custom error handling, Logging using event handlers, Send E-mail Task and Used Checkpoints to rerun Packages from Point of Failure.
* Designed SSIS Packages with Dynamic Tasks and Connections Using Variables, Expressions and Packages Configurations and followed best practices to maintain Optimized performance.
* Loaded Data ware House Fact Tables and Dimension tables of type 1 and type 2 attributes Using SSIS Transformations like Lookup, Merge Join with Conditional Split and also Using T-SQL 2008 Merge Statement
* Performed Incremental Load on Data ware House using different methods like CDC, Time Stamps and with Hash Function.
* Debugged the Packages Using Break Points, Data Viewers, and Script Task, Deployed the Packages Using DTUtil Commands, Deployment Utility and Project Deployment Model (2012) and Scheduled Packages with DTExec Commands.

**SSRS Experience:**.

* Designed and Deployed several SSRS reports such as Drill down reports, Drill through reports, Parameterized reports, Cascaded reports, Cached reports, Snapshot Reports, linked reports, Sub reports.
* Used Report Manager to assign roles, permissions and Created report schedules, Subscriptions

**SSAS Experience (OLAP):**

* Involved in building Star schema and Snow Flake schema depending on business requirements.
* Defined Relationships between Dimensions and Measure Groups like Fact Relationship, Many-to-Many Relationship, and Defined Dimension Granularity within a Measure Group.
* Hands on Experience in Developing , Deploying and Processing SSAS Cubes and writing MDX queries
* Defined relationship between attributes in SSAS Cubes. Experience in handling Partitioned cubes in SSAS.

MS-SQL Azure Database Administration Capacity Planning Migration / Upgradation

High Availability / Disaster Recovery (Always On) Clustering Performance Tuning

Replication, Mirroring, Log Shipping VLDB Virtualization

Data Center Migration Database Design Tools Monitoring Tools

DTS / ETL Packages CUBE Building SSIS / Reporting Services

Change Control Process Documentation Version Control Tools

Backup Tools VBA/ Macros T-SQL

TECHNICAL SKILLS

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| --- | --- |
| Programming Languages: | Transact-SQL, SQL,DB2-DBA, Oracle 11g, C/C++, ASP.Net, PHP and Visual Basic |
| RDBMS: | MS-SQL Server 2000,2005/ 2008/ 2008R2/ 2012, 2014, 2016 &MS Access |
| Operating Systems: | Windows 2000, Windows Server 2003/2008/2008 R2,2012 & 2016, 7 Pro |
| Database Tools: | SQL Server Management Studio, SQL Server Business Intelligence Studio, SQL Profiler, SQL Query Analyzer, Index Analyzer, Log Viewer, Database Tuning Advisor, and Upgrade Advisor |
| ETL Tools: | SSIS 2005/2008/2008 R2/2012/2014,2000 DTS |
| OLAP Tools: | SSAS 2005/2008/2008 R2/2012/2014 |
| Reporting Tools: | SSRS 2005/2008/2012,2014,Crystal Reports, MS-Excel- (Pivot Tables, VBA, Macros) |
| Data Modeling Tools: | CA Erwin, MS-Visio, MS-Visual Studio |
| Third Party tools | Spotlight , Red Gate, Lite-Speed, IDERA, VERITAS net backup |

* WORK EXPERIENCE

NM Dept of Environment ,Santa Fe April' 2017 –Sep' 2017

Sr. SQL Server DBA / Developer

**Environment:** SQL Server 2012, 2014 & 2016 , Oracle 11G Windows Server 2008 R2, 2012, VS 2010, T-SQL & Spotlight, PHP , code igniter, Apache Server.

**Responsibilities:**

* Used **stored procedures, Online Indexing** and **online Restoring** in SQL Server 2012.
* Tuning front-end applications like PHP and Oracle, which query the SQL Server databases. Troubleshooting ODBC and OLEDB issues between the application and the server.
* Expert in querying databases using SQL, **PL-SQL** and T-**SQL**, writing stored procedures, views, database triggers, Cursors, Transaction Management.
* Thorough with Database Server maintenance tasks like Managing Logins and Permissions, Database Mail Setup, Creating and Scheduling Jobs, and Alerts.
* Expertise in Performance Tuning, Query Optimization, Client/Server Connectivity, Database consistency checks **using DBCC Utilities,** using Profiler to resolve Dead Locks/Long running queries on 32 bit and 64 bit clustered and standalone server environments
* Optimized Indexes for better performance using SQL Query Plans at Query Analyzer and Index tuning wizards.
* Experience in Batch processes, SSIS, DTS, BCP, Import & Export and Transparent Data Encryption (TDE)
* Regular database capacity planning related to database growth and system utilization, trend analysis, predictive future database resource requirements, and the structured organized reporting of the same.
* Good experience with logical and physical modeling of database by using Erwin and MS-Visio.
* Experience in Normalization, Database design, Performance Analysis and Production Support for very large (VLDB) and Complex Databases.
* Expertise in Migrating/Upgrading SQL Server 2008 to SQL Server 2012
* Experience in Software Development Life Cycle (SDLC), Analyzing and Designing systems using Structured Methodologies (ERD, DFD) along with extensive knowledge of Relational Database Management Systems with in-depth of T-SQL.
* Work closely with developers to ensure that database code meets defined company standards, provide performance analysis and help **developers improve the performance of their code** by tuning the query or modifying the indexes.
* Proactive and reactive performance analysis, monitoring, troubleshooting and resolution of database issues.
* On-call troubleshooting for database outages and emergency changes.

Brown Advisory, Baltimore, MD Nov' 2016 –March ' 2017

Sr. SQL Server DBA / BI

**Environment:** SQL Server 2008R2, 2012, 2014 & 2016 Windows Server 2008 R2, 2012, VS 2010, **Azure** , T-SQL & Spotlight

**Responsibilities:**

* Designed and configured Azure Virtual Networks (**VNets**), subnets, Azure network settings, DHCP address blocks, **DNS settings**, security policies and routing.
* Deployed Azure IaaS virtual machines (**VMs**) and Cloud services (**PaaS role instances**) into secure VNets and subnets.
* Designed **VNets** and subscriptions to conform to Azure Network Limits.
* Exposed Virtual machines and cloud services in the VNets to the Internet using Azure External Load Balancer.
* Provided high availability for **IaaS VMs and PaaS role instances** for access from other services in the VNet with Azure Internal **Load** **Balancer**.
* Implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Designed Network Security Groups **(NSGs)** to control inbound and outbound access to network interfaces **(NICs**), VMs and subnets.
* Setup Azure Virtual Appliances **(VMs)** to meet security requirements as software based appliance functions (firewall, WAN optimization and intrusion detections).
* Utilized NSGs for layer 4 Access Control List (**ACLs)** for incoming and outgoing packets.
* Used firewall appliance where requirements call **for layer 7 security models.**
* Maintain all database environments using effective and automated deployment maintenance approach.
* Support SQL Server production environment including server **performance** monitoring and recommending changes for improvements.
* Perform database administration activities including; installation, configuration, monitoring, space management, database backup & restore, disaster recovery, database server upgrades, and maintenance for clustered database servers.
* Create automation tests for **performance** monitoring, deployment, Server, and release verification.
* Understand and apply the basic principles of entity relationship model design, good data typing practices, index management, data management, and data security.
* Applies **analytical** thinking skills to plan for future growth of systems/tools, troubleshoot and solve database issues.
* Work effectively with management and members to clarify needs and priorities.
* Performs proactive and reactive SQL Server problem engineering and root cause analysis for Mission **Critical applications**.
* Provide **Escalation support** for Production issues and lead Line2/Line3 teams.
* Configure and support high availability solutions using SQL Server Log Shipping, SQL Server Mirroring, SQL Server **Replication** and SQL Server **Always On** Technologies.
* Oversee SQL Server health and welfare to maximize Server uptime.
* Creates and implements Database backup policies and procedures to ensure data **recoverability**.
* Modifies and implements SQL Server standards and Best practices for monitoring and support.
* Ensure meeting business Recovery point objectives (RPO) and Recovery time objectives (RTO).
* Install, Configure, maintain and support SQL Server database infrastructure adhering to the architectural guidelines and policies.
* Implementation of High availability and Disaster recovery solutions using **Always On** and **Log Shipping**.
* Provide technical expertise and hands-on support in consolidation and **migration** of databases to new hardware and platforms.

State of New Mexico TRD, Santa Fe, NM March’ 2012 –Oct’ 2016

Sr. SQL Server DBA / BI

**Environment:** SQL Server 2000,2005,2008, 2008R2, 2012, 2014, Windows Server 2008, VS 2010, T-SQL, DB2 DBA and Excel.

**Responsibilities:**

* Production DBA for **DB2** DBA &SQL Server Environment with over 30 Production Servers and 50 Development/ Test Servers and more than 650 Databases.
* Used stored procedures, BCP,**DTS Packages and** Transparent Data Encryption **(TDE).**
* Install and configure SQL Server 2008R2/2012.TroubleshootingPerformance issues and database issues.
* Extensively worked on setting up **Always on Availability Groups on a Multi-subnet failover network**. Worked with the Windows team to configure **Windows Failover Cluster** on which the Always-On setup was done.
* Install and configure latest **Service Packs/Hot Fixes** on SQL 2008R2 and 2012 servers.
* Design and implement comprehensive Backup Plan and Disaster Recovery strategies.
* Experience with SQL **Server Reporting Services (SSRS**) to author, manage, and deliver both paper-based and interactive Web-based reports.
* Maintain the database consistency by checking with **DBCC Utilities** at regular intervals.
* Use **Resource Governor** to resolve various resource allocation & memory issues for SQL Server databases and to setup ideal memory, min/max server options.
* Import data across multiple instances (**DB2**) using **BCP Utility**.
* Design and develop SSIS packages using different control flow tasks, data flow task and data transformations.
* Maintain **Active/passive** and **Active/Active cluster environment**.
* Create and Maintain Transactional, and Merge **Replication environments**.
* Implement Database mirroring. Configured Principal, witness and mirror on the 2008R2 SQL Servers.
* Implement **Asynchronous mode for Database mirroring** in Staging Environment.
* Use Performance monitor and SQL Profiler to optimize queries and enhance the performance of database servers and uptime in production environment.
* Involved in trouble shooting and fine-tuning of databases for its performance and concurrency
* Applied changes on Production through Change management after thoroughly testing on development servers.
* Installed, authored, and managed reports using SQL Server 2008 Reporting Services (SSRS).
* Implemented new topics like **CLR integration** on Development server.
* Create Documentation for steps that need to be taken while upgrading the SQL server 2012 to SQL server 2014.

Asurion, Nashville, TN March’ 2011 – March’ 2012

Sr. SQL Server DBA

**Environment:** SQL Server 2005, 2008 R2, 2012 Windows Server2003, VS 2010, T-SQL, Crystal Reports.

**Responsibilities:**

* Create and maintain various databases for Production, Development and Testing Servers using MS SQL Server 2005 and 2008 Editions.
* Production DBA for SQL Server Environment with over 50 Production Servers and 100 Development/ Test Servers and more than 1000 Databases.
* Planning and maintaining the location of data, indexes, and Transaction log files on the disk.
* Install and configure SQL Server 2008/2012 on the servers and client machines, provide connections and manage databases.
* Setup **Always On Availability Groups** using **Database Mirroring** and **Windows Server Clusters**
* Use of **DBCC Utilities** to maintain the consistency and integrity of each database in the production server.
* Tuning the Production server to get the **performance improvement**.
* Conduct root cause analysis of application availability and narrow down the issues related to **coding practices**, **database bottlenecks**, or **network latency**. Resolve **locking and blocking** issues.
* Implement Transactional Replication for reporting services.
* Implementing and Monitoring Transactional Replication and other SQL Server jobs using custom scripts.
* Monitoring **SQL Server logs**, **Application logs** and analyzing the logs.
* Connecting SQL Server remotely using **Terminal services**.
* Developed new **stored procedure, view and functions**. Creating users and assigning appropriate permissions.
* Creating Backup strategies and scheduling them as a part of **database maintenance plans**.
* Use of Microsoft Diagnostic utilities to take **memory dumps and automated traces**.
* Create the **SSIS packages** for executing the required tasks.
* Create Jobs and schedules for Database Maintenance tasks like backups..

Dept. of health, Tumwater, WA Sept’ 2009 – Feb’ 2011

SQL Server DBA

**Environment:** SQL Server 2005, 2008, 2008R2, Windows Server2003, 2008, VS 2010, T-SQL, and Excel.

**Responsibilities:**

* Installation and Maintenance of SQL Server 2008 R2 on Test, Development and Production Environments.
* Enforce **compression techniques** in SQL Server 2008 R2 for Backup and Restore jobs.
* Implement **Database Mirroring** and **Transactional Replication** as a part of DR plan.
* Disaster Recovery Planning, Testing, Analyzing and continuous update of documentation.
* Creating and Maintaining **Database Maintenance Plans**.
* Modify Stored Procedures and complex T-SQL Queries to improve query execution process.
* Monitoring **Event Viewer**, **SQL Error logs** and **Log File Viewer** for Software and hardware related errors.
* Tune slow running queries using SQL Server Profile and **Database Tuning Advisor.**
* Import data across multiple instances using **BULK INSERT** and **BCP Utility**.
* Extract, Transform, and Load data from **heterogeneous data sources** to SQL Server using SSIS Packages.
* Plan, analyze and develop **Ad-hoc Reports** using SQL Server Reporting Services (SSRS) and Report Manager to support various user requirements.
* Create and manage database objects that include Tables, Views, User-defined Functions, Stored Procedures, Constraints and Triggers to implement Business Logic.
* Create **Clustered** and **Non-Clustered Indexes** to improve the performance of database access.
* Create and manage databases across Development and Production instances using SQL Server Management Studio.
* Involved in **Capacity Planning**, **Database Normalization** and **De-normalization process**.
* Implement **Logical and Physical Data Modeling** process using **MS Visio**.
* Use MS Visual Source Safe as a Version Control System.
* Implement **Change Data Capture (CDC)** process.
* Worked on call support 24/7 and solved many Incident Tickets.

**Lord Abbett,Jersey City, NJ** **April’2007 – July’ 2009**

SQL Server Developer/ DBA

**Environment:** SQL Server 2005, 2008, Windows Server2003, 2008, VS 2010, T-SQL, and Excel.

**Responsibilities:**

* Manage and Administer the SQL Server 2008/2005production and Non-production servers with databases with **complex structures and sizes over 2 TB**.
* Develop **logical and physical design** of the Databases.
* Creating Logins and Roles with appropriate **permissions**.
* Created a report on the monitoring of SQL Server Performance. This report gives a detail report to the management on the Performance of the server. The report is also used for fine tuning of database objects and server.
* Worked with SQL Server 2008**side by side upgrade** from SQL Server 2005.
* Created **Documentation** for steps need to be taken while upgrading the SQL server 2005 to SQL server 2008.
* Daily routine Developer/DBA tasks like handling user’s permissions and space issues on Production and Staging Servers and handling maintenance Jobs.
* Performed daily maintenance 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 Logins, Roles and Authentication Modes as part of **Auditing and Security Policies**.
* Expertise in setting up and troubleshooting **Database mirroring**.
* 24/7 on call support, created various jobs to check health of the server and to troubleshoot.
* Transferred data from other data sources like **flat files** using Import/Export through **DTS, SSIS**.
* Developed SSIS packages, stored procedures, functions, and triggers.

Capital IQ, India June’ 2005 – April’ 2007

SQL Server Developer/DBA

**Environment:** SQL Server 2000, 2005, 2008 and Windows Server 2000, 2008, Visual Basic 6, and MS Access.

**Responsibilities:**

* Involved in the Design, Development and Implementation of Production Databases.
* Create **Automatic data loading Procedures** from the host system to master systems.
* Used stored procedures, BCP and **DTS Packages.**
* Involved in automation of the job and daily monitoring of the tables and indexes for performance.
* Monitoring **Log shipping and Replication** and troubleshooting of errors.
* Security issues related to logins database users and application roles and **linked Servers**.
* Analyzed 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.
* Timely completion of activities for **database backup, restoration** and health check of databases.
* Involved in troubleshooting and fine-tuning of databases.
* Scheduled Full and Differential Database backups to disks, tapes or remote servers, using batch scripts, TSQL and **Maintenance Plan Wizard** and configured appropriate **Recovery Model** for the databases.
* Extensively used **Joins and sub-Queries** to simplify complex queries involving multiple tables.
* Created many **complex Stored Procedures** and used them in **Crystal Reports**.

EDUCATION

Masters 'in Computer Sciences –Guntur, India. Completed in (1998-2000)

PROFESSIONAL DEVELOPMENT

* **Microsoft® Certified Professional. (MCP)**
* **Microsoft® Certified Solutions Associate: 2012/2014.(MSCA)**
* **Microsoft® Certified Solutions Expert: Data Management & Analytics. (MCSE)**