KUMAR

4693429133

[Kumar2.sqlbi@outlook.com](mailto:pankaj.sqlbi@outlook.com)

PROFESSIONAL SUMMARY:

* More than 8 years of experience in Data Modeling and Implementation of Database systems using MS SQL SERVER 2005/2008/R2/2012 for OLTP and Data warehousing applications for making decision on business process.
* Created OLTP database from different business requirement documents.
* Worked on gathering business requirements from end users and converting them into functional requirements and creating documentations, design and development on those requirements.
* Worked on ETL process development from XML, Excel and CSV files into SQL Server database tables using T-SQL
* Created, updated and optimized with error handling for Storing cleaned data into Databases through T-SQL.
* Implemented different database objects for data integrity, data availability and consistency.
* Expertise in creating and optimizing T-SQL store procedures using indexes, UDFs, joins, error handling, views as well as with use of execution plan, SQL profiler and DTA in OLTP environment.
* Created SQL automation script for different DB objects creating, disabling and dropping with file structure including tables, functions, procedures, PKs, FKs, triggers and indexes.
* Worked on Dynamic SQL for different custom reports including stopping SQL Injection attacks.
* Implemented Delta process for production database using T-SQL script.
* Database Maintenance and SQL Agent jobs created and monitored production server.
* Created Dev, QA and production environment for database and maintain Backup and Transaction Log issue
* Extensive ETL experience using DTS/SSIS for Data Extractions, Transformations and Loads.
* Having good knowledge in power shell scripting
* Expertise in developing application using.NET 2.5, C#, SQL Server.
* Expertise in developing codes for mobile apps using Java Scripting on Eclipse tool.
* Experience in data analysis, design and development of databases for business applications in a client/server and data warehouse environments in SQL 2005/2008/2012.
* Good knowledge in RDBMS concepts, Data warehousing concepts, OLTP & OLAP.
* Expertise in Merging data from various Heterogeneous Data sources, Populating Dimension andFact tables in Data warehouses and Data Marts, Cleaning and Standardizing data loaded intoOLTP and OLAP databases using SSIS.
* Involved in creating Jobs, SQL Mail Agent, Alerts and Schedule SSIS Packages.
* Great Expertise in creating and managing Event Handlers,Package Configurations, Logging,System and User-defined Variables for SSIS Packages.
* Experienced in software development life cycle (SDLC) involving system analysis, design development and implementation using Waterfall methodology and Agile methodology.
* Skilled at assessing client needs, working in groups, suggesting ideas that enhance efficiency andperformance, implementing technology solutions, and training end users.
* Good team player, strong interpersonal and communication skills combined with self-motivationinitiative and the ability to think outside the box.

TECHNICAL SKILLS:

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| --- | --- |
| Operating System | Windows XP/8/10/server,UNIX |
| Languages | C++,C#, .NET, T-SQL, PL/SQL, Visual Studio 2005/2008/2010/2012 |
| Tools | DTS, SSIS, SSRS, SSAS,Visual basic |
| DATABASE | MS Access, MS SQL Server 2005/2008/2012/2014, Oracle8i/9i |
| Tools/Utility | Enterprise Manager, SQL Server Management Studio(SSMS), Database Tuning Advisor, DTS, Analysis Manager, BCP, SQL Profiler |
| Software | MS Office, Visio, Adobe Photoshop, MS-Excel, MS-Project 2010 |
| Reporting Services | Excel, SQL Server Reporting Services 2005/2008/2012,Oracle Report Builder |

WORK EXPERIENCE:

M &T Bank, Buffalo NY April 2017–Tilldate

Role:-Sr. SQL Power BI Developer

Responsibilities:

* Actively supported business users for change in requests. Gathered user requirements.
* Created and modified various Stored Procedures, triggers, tables, views and other SQL joins used in the application using T-SQL.
* Optimized queries & stored procedures and monitored server performance using SQL Profiler.
* Worked on MS SQL Server tasks such as data loading, batch jobs, BCP, DTS, Instances, Linked Servers and Indexes.
* Managed the entire ETL process involving the access, manipulation, analysis, interpretation andpresentation of information from both internal and secondary data sources to customers.
* Created the Logical,Physical model and ETL Mapping Documents based on Business logic.
* Configured the SSIS Packages using Environment Variables for Dynamic Selection ofDevelopment and Production Environment.
* Converted data types using Derived Column, Data Conversion Transformation.
* Converted various data files (CSV, XML and Legacy Flat Files) based on business logic using Script Task and Script Component.
* Designed and developed different reports like Matrix and Tabular reports, Cascaded, Parameterized, and pie chart reports using SQL Server Reporting Services (SSRS).
* Expertise in developing Ad-Hoc, drill down, Drill through and Dashboard reports using Local and Global Variables, Expressions and Filters in SQL Server Reporting Services (SSRS). Promoted RDLs to Reporting Service Server.
* Designed Cubes with star schema in SSAS and Executing Analysis Services Processing Task in SSIS for processing cubes in packages.
* Created complex SSAS cubes with multiple fact measures groups, and multiple dimension hierarchies based on the OLAP reporting needs.
* Identified and defined Fact relationships and relationships between Dimensions and Measure groups in SSAS.
* Created calculated fields with MDX code to meet additional measures needs that are calculated from existing measures.
* Developed administrative tasks of SQL Server of performing daily Backups and Recovery procedures.

Environment: SQL Server 2008/2012, Business Intelligence Development Studio, SSRS 2008 R2, SSIS 2008 R2, MS Visual Studio 2008, T-SQL, C#, VB Script, Window 7, Team Foundation Server.

Care Source, Dayton OHIO, Nov 2016 – Mar 2017

Role:- SR. Database Developer

Responsibilities:

* Collected business requirements for the OLTP system; reviewed needs of each business unit and collaborated with department heads.
* Analyzed and prepared detailed studies regarding the current OLTP System across the company to determine new analytical requirements.
* Maintained the OLTP domain integrity, created check constraints and triggers.
* Developed logical and physical data models for data mart with ER-win.
* Created stored procedures, user defined functions, views, and TSQL scripts for OLTP per the business requirements.
* Created multiple stored procedures for index maintenance, data profiling, and data cleansing.
* Wrote stored procedures to implement type-1 and type-2 scd’s for incremental loads.
* Managed Indexes (clustered/non-clustered indexes) wherever necessary.
* Wrote complex queries utilizing joins, sub queries, CTEs, and set operators involving multiple tables.
* Analyzed execution plans to optimize queries; created proper indexes to improve the OLTP database performance.
* Implemented error handling techniques (try catch block, raise error system function, and @@error system variable).
* Optimized queries or stored procedures to improve report generation.
* Analyzed query performance-tuning utilizing execution plan analysis, SQL profiler, and DTA.
* Modified TSQL queries and stored procedures to solve performance issues with ETL strategies and SSRS reports.
* Provided oversight and code review for off-shore teams and efforts.

Environment: SQL Server 2012, SSIS (2012/2008), SSRS (2012/2008), SSAS (2012/2008), Visual Studio 2010/2013, MS Excel 2010, Power Pivot, T-SQL, C#, VB Script, Window 7, Team Foundation Server (TFS).

Vizient Inc, Dallas TX July,2014 – Oct,2016 Role:- SR. Database Developer

* Collaborated in JRD Sessions – gathered business requirements from Business users.
* Transformed Business Requirements into Functional and Non-Functional Requirements; interfaced between the client and development team with JAD sessions.
* Developed the Relational database based on data requirements and infrastructure.
* Created database objects – tables, views, stored procedures, triggers, cursors, indexes, user defined functions.
* Maintained data integrity; created various constraints and DML triggers for relational databases.
* Created complex stored procedures to perform index maintenance, data profiling, metadata searches, critical staging procedures, and reporting databases.
* Modified the existing data warehouse with facts and dimensions to hold current and historical data for reporting purposes.
* Improved the performance of SQL scripts and stored procedures with UDFs, CTEs, and system stored procedures; utilized SQL profiler and database tuning advisor.
* Monitored and improved SQL Server performance; created baselines utilizing log-file viewer activity monitoring system, DBCC utilities (database consistency checks), SQL profiler, and Database Tuning Advisor (DTA).
* Developed, debugged, and optimized complex T-SQL queries according to the business logic and specifications.
* Monitored the DB and optimized stored procedures to improve performance, resolve locking conflicts, and adjust resource utilization.
* Executed index analyses on tables; created improved solutions for clustered and non-clustered Indexes to gain a significant performance boost.
* Analyzed the execution plans and optimized queries by removing bookmarks/key lookups with covering Indexes on OLTP tables and column store indexes to enhance read operations.
* Designed a database optimization plan with the creation of table partitions and the use of appropriate Indexes.
* Collaborated with the senior architect and DBA to develop data validation procedures; implemented logic for required business rules.
* Developed and created various backup and recovery plans depending upon OLTP loads, server down time, percentage of data loss, and budget issues.
* Supported the logging framework by generating reports to identify trends and develop strategies.
* Tracked bug trends and code changes with Team Foundation Server (TFS).

Environment: SQL Server 2012, SSIS (2014/2012), SSRS (2014/2012), Visual Studio 2012/2014, MS Excel 2010, Power Pivot, T-SQL, C#, VB Script, Window 7, HSP, Meditrac, Medical Team Foundation Server (TFS).

Quicken Loans Inc, Detroit MI Jan 2013–Jun 2014

Role:- SQL/SSIS/SSRS Developer

**Responsibilities:**

* Responsible for creating Databases, Tables, Cluster/Non-Cluster Index, Unique/Check Constraints Views, Stored Procedures, Triggers, Rules.
* Responsible for developing processes, automation of maintenance jobs, tuning SQL Server, locks and indexes configurations, administering SQL Server security, SQL Server automatic e-mail notification and SQL Server backup strategy and automation.
* Interacting with users to gather Business requirements and Analyzing, Designing and Developing the Data feed and Reporting systems by adding or enhancing relevant entities/ tables, columns etc.
* Worked on designing, creating and deploying SSIS packages for transferring data from flat files, excels spreadsheets and heterogeneous data to and from SQL Server.
* Creating SSIS package to load data from Flat file to data warehouse databases using Lookup, Fuzzy Lookup, Derived Columns, Condition Split, Term Extraction, Aggregate and Pivot Transformation.
* Configured SSIS packages using Package configuration wizard to allow packages run on different environments.
* Implemented Event Handlers and Error Handling in SSIS packages and notified process results to various user groups.
* Scheduled and maintain packages by daily, weekly and monthly using SQL Server Agent in SSMS.
* Converted existing excels based reports and crystal reports to SSRS reports.
* Created Drill-down, Parameterized and Sub-Reports using SSRS.
* Deployed and uploaded the SSRS reports to Report Manager for the end users and involved in enhancements and modifications.
* Identified and added the report parameters and formatted the reports using the Global variablesand expressions.
* Improved existing reports performance by using execution log and optimized the underlying procedure and queries.

Environment: SQL Server 2005/2008, BIDS 2005/2008, SSRS 2005/2008, SSIS 2005/2008, MS Access, Visual Studio, T-SQL, Windows, Crystal Reports.

Molina Health Care, Long Beach CA Nov 2011 – Dec 2012

Role:-SQL/SSIS/SSRS Developer

Responsibilities:

* Gathered business requirements, defined and designed the data sources, data flows, data quality analysis, worked in conjunction with the data warehouse architect on the development of logical data models.
* Involved in Creating Database Objects like tables, views, constraints, indexes, functions, procedures, and triggers and maintained Referential Integrity.
* Worked with Exception handling with @@error and with Try/catch.
* Created ETL packages using SSIS to move data from various heterogeneous data sources.
* Created logs for ETL load at package level and task level to log number of records processed by each package and each task in a package using SSIS.
* Implemented error handling and roll back process in ETL load.
* Configured SSIS packages using Package Configuration wizard to allow packages run on different environments.
* Used SSIS to create ETL packages to validate, extract, transform and load data to data warehouse databases, data mart databases, and process SSAS cubes to store data to OLAP databases.
* Used XML and environmental variables in the package configuration for Deploying SSIS packages.
* Created Drill Down, Drill Through and Various Cross tabbed reports using SSRS.
* Responsible for Deployment of the report using SSRS and used Report subscription (Data Driven and Email) to publish reports.
* Generated database monitoring and data validation reports in SQL Server Reporting Service (SSRS).
* Designed OLAP Star and Snow-flake schemas and then Dimension and Fact Tables.
* Determined the MS SQL Server 2008 installation options. Installed SQL Server Management toolsusing SQL Server Setup Program. Tested the Installation of SQL Server and implemented differentsecurity modes.

**Environment:** Microsoft SQL Server 2008 R2, Visual Studio 2008, T-SQL, SQL Server Integration Services, Business Intelligence Development Studio (BIDS), SQL Server Reporting Services, SQL server profiler, Visual Source Safe (VSS).

**ICICI Bank , Hyderabad, India Aug 2010 – Oct 2011**

**Role:- MS SQL Server Developer**

**Responsibilities:**

* Involved in requirements gathering, analysis, design, development, change management, deployment.
* Installed and Configured SQL Server 2008 successfully.
* Created Stored Procedures, User defined functions, Views, Triggers, Indexes and Wrote T- SQL codes maintaining query standards for the project.
* Extensively used Joins and sub-Queries to simplify complex queries involving multiple tables, added Columns, triggers and Worked on Index tuning, stored Procedure tuning.
* Scheduled Daily and weekly Jobs and Alerting using SQL Server Agent.
* Performance tuning of SQL queries and stored procedures using Index Tuning Wizard.
* Performed extensive data extraction from web and other sources and handled data preparation – missing values, formatting, transformations using SSIS.
* Handled migrations from DTS to SSIS 2005/2008.
* Deployed the SSIS packages from development server to production server.
* Worked on Error Handling and Event Handlers, Break point, SSIS Logging and Check points.
* Developed administrative tasks of SQL Server of performing daily Backups and Recovery procedures.
* Prepared daily and weekly status reports and collaborated with other team members.
* Prepared the detailed project layout, analyzed existing technology involved, and documented work performed and stored in Visual Source Safe (VSS).

Environment: MS SQL Server 2005/2008, SQL Server Integration Services, SQL Server Reporting Services, DTS, MS Access, MS Excel, Windows 2003 servers, T-SQL, PL/SQL, Visual Studio 2008.

**Micro Land, India May 2008 – Jul 2010**

**Role:- Jr. SQL Server Developer**

**Responsibilities:**

* Installed and Configured SQL Server 2005 on servers for designing and testing.
* Created other database objects like tables, views, Stored Procedures, User Defined Functions, Triggers and indexes.
* Create joins and sub-queries for complex queries involving multiple tables.
* Created all kinds of SQL Server Constraints (Primary Keys, Foreign Keys, Defaults, Check, Unique etc.).
* Error handling using Try-Catch Block.
* Modified database structures as directed for test/develop environments and assist with coding&design.
* Involved in performance tuning of the database and T-SQL queries.
* Automated Stored Procedures to load data into staging and production environments in a timely manner using SQL Server Agent.
* Configured Snapshot replication for reporting, user acceptance test and development servers.
* Performed unit and system testing, troubleshooting and bug fixing in development and QA environments.

**Environment:**  SQL Server 2005, T-SQL, VB, MS Word 2005, DTS, SQL Profiler, Visual Source Safe, DTS/SSIS 2005, Import and Export Wizard, BCP, Windows Server 2003, UNIX.