**Karthik**

**(Sr. SQL/SSIS/SSRS/SSAS/Tableau Developer)**

**Professional Summary:**

* Overall 8+ years of extensive experience in Database Solutions and BI Solutions using **Microsoft Technologies**.
* Experience in SQL Server as Database Administrator
* Extensive experience in Data Modeling, Design, Development, Implementation &amp;
* Administration of Database systems using **MSSQL 2005/2008/2012/2014 for both OLTP** (Batch Processing, Online Processing) &amp; Data warehousing Systems (SSRS, SSIS, SSAS)
* Worked on **ETL Process creation** and **SSIS package Creation**
* Deployed SSIS packages from various Dev environments to QA and Prod.
* Database Integrity Checks, Update Database Statistics and Re-indexing.
* Using SQL Server Integration Services (SSIS) tool of SQL Server to populate data from various data sources, creating packages for different data loading operations for application.
* Experience in creating and scheduling SQL Server Integration Services (SSIS) packages.
* Migrated **DTS packages** to SSIS packages.
* Heavy migration using SSIS, DTS and Data Integrator.
* Experience in **SDLC methodologies &amp**; Agile/Waterfall project methodologies in Analysis, Design, Development, Testing and Implementation of client-server based applications.
* Hands on experience in creating workbook and dashboards using Tableau in various versions of Tableau 9

and 10.

* Experience with various **Tableau Functions** such as, Calculations and filter actions parameter, sets, groups, bin.
* Experience in database programming in writing Stored procedures, User Defined Data Types, Triggers, Constraints, Indexes, CTEs and **Batch Scripts using T-SQL/PL-SQL**
* Experience in Writing Complex **T-SQL Queries**, Dynamic-queries, Sub-queries, Co-related sub queries, Complex joins.
* Excellent knowledge of performance tuning in tuning stored procedures, Queries using tools like SQL Profiler, **Database Tuning Advisor**, Execution Plans, DMV’s and **Efficient coding** **standards**.
* Experienced in creating **SSIS Packages for integrating data using OLE DB** connection from heterogeneous sources (Excel, CSV, Oracle, flat file, Text Format Data) by using multiple transformations provided by SSIS such as **Data Conversion, Conditional Split, Bulk**
* Insert, merge and union all etc...
* Strong knowledge and experience in error handling of SSIS packages using transactions, check points (package restart ability features), break points and error logging procedures.
* Experienced in Huge data migrations, huge data transfers, ETL processes using SSIS, DTS for Data warehouse implementation Projects involving conversion of data from heterogeneous sources like DB2, and Oracle, Sybase, Teradata.
* Highly experienced in full cycle of **DTS/SQL server integration services (SSIS 2005/2008/2012/2014)** Packages (Developing, Scheduling, Configuring, Troubleshootingand monitoring) for performing data transfers and ETL Purposes across different servers.
* Interpreting and working with data models, data flows and data dictionaries, logical &amp; physical Data modeling, Normalization and De-Normalization techniques for both OLTP and OLAP systems.
* Experienced in Installation, Configuration, Development, Deployment and Troubleshoot

Reporting services using SSRS 2005/2008/2012/2014 across various environments.

* Created SSRS projects and reports in BIDS, sort and **toggle object visibility** to modified report, assigned item level permissions and site security roles, created report schedules and subscriptions.
* Expert and proficient in highly analytical &amp; detailed reports that include drilldown, drill

through, parameterized (Cascading parameters), TopN, Summary, OLAP.

* Excellent Communication and Verbal skills.

**TECHNICAL SKILLS:**

**BI Tools**: SSIS, SSAS, SSRS, Tableau, Power BI, Visual Studio, Teradata,SQL\*Plus, SQL\*Loader, Erwin, Toad Data Point.

**Databases**: SQL Server 2005/2008/2012/2014, Access, MySQL, Oracle 10g

**Operating Systems**: Windows Server 2003, 2007, 2010, 2013, Windows 8/NT/XP/Professional, MS-DOS.

**Programming Languages**: SQL, PL/ SQL, VB 6.0, VB.Net, C, C#, VBScript

**Application package**: MS Office Suite, Visio, Power BI

**Languages**: T-SQL, PL/SQL, C/C++, MS Access, Shell Scripting

**Tools**: SQL Server Enterprise Manager, SQL Server Management Studio, Team Foundation Server (TFS), Tableau.

**Protocol:** FTP, TCP/IP, Named Pipes

**Web Technologies**: Asp.Net, HTML, DHTML, XML, IIS 6.0, Java Script

# Thomson Reuters April 2017 to Till Date

**Sr. SQL/BI Developer**

**Responsibilities:**

* Wrote T-SQL queries to validate the error reports being given to the client and prepared **T-SQL scripts** for the Application team, Reports team during development. **T-SQL development** included queries using joins, sub-queries, Ranking functions, Derived tables, common table expressions (CTEs), stored procedures, views, **User defined functions(UDF)**, constraints &amp; **Database triggers**.
* Improved the performance of **SSIS packages** by enabling Parallelism in the **Control and Data Flows**, usage of synchronous transformations.
* Deployment of SSIS packages to the conversion server and create and schedule **SQL Server Agent jobs** to automate the run of SSIS packages on a weekly basis.
* Proficient in design and development of **various dashboards, reports utilizing various** Tableau Visualizations such as Donut Chat, Word cloud, Bar charts, Pie charts, line charts, Bullet graph, highlight table, Stacked charts, Tree chart, Heat maps, scatterplots, maps, bubbles.
* Experience in creating master and child packages, using package configurations (SQLServer)and SSIS logging.
* Work on creating scripts (**Cache SQL**) in Toad Data Point for data from **IDX-GE Systems** and Created Data extracts in SSIS.
* Created the ETL (SSIS) packages and ETL procedures scheduled them for Jobs.
* Modifying scripts to handle automated **Loading/Extraction and Transformation (ETL)** of data using (SSIS).
* Involved in Source Data Analysis and Designing Mappings for data extraction also responsible for Design and Development of SSIS Packages to load the Data from various Databases and Files.
* Responsible for creation and maintenance of tables, indexes, stored procedures, triggers, and UDF’s Debugging of stored procedures, Indexes, Triggers, Views, User Defined Functions andCursors
* Tuned Poor performing SQL Queries with **SQL Profiler Trace** and **Query Analyzer**
* Identifying, and documenting **ETL Standards** and best practices for the development team.
* Participated in creating data conversion and migration strategy, conversion design and conversion development documents. Participated in **Data Modeling Sessions**.
* Hosted SSIS knowledge transfer, data quality issue meetings with the client on a weekly/biweekly basis.
* Implemented framework for Reference/Lookup data changes, **Automation of Applying Database Change** Request scripts to the target DB.
* Developed data reconciliation SQL queries to validate the overall data migration. Prepared data reconciliation reports for conversion team/business. Maintained ETL functional

specifications, test plans and data for data conversions. Automated the data reconciliation

* Process to minimize the developer involvement in validating production migrations.
* Documentation of Business Rules, Data Mapping Spreadsheet, Meeting Minutes, Key decisions from the client, SSIS introduction material to the client.
* Worked with Managers to prepare WBS for SSIS/Database development work.
* Generated Custom ETL scripts using SSIS 2008 and unit test SSIS load processes for performance check.
* Designed **OLAP** cubes with star schema and multiple partitions using SSAS.
* Understanding the OLAP processing for changing and maintaining the Warehousing
* Optimizing Dimensions, Hierarchies and adding the **Aggregations to the Cube**.
* Experience in implementing data blending and forecasting Created report models for the ad-hoc reporting of the end users using Report Builder
* Deployed SSRS reports in share point for web based access for multiple end users
* Deployment of SSIS packages to the Conversion Server.
* Experience in writing custom queries with parameters.
* Created and configure SSIS logging to capture log-enabled events that occur at run time.
* Developed staging tables to house the data and developed exception/error handlers to prevent issues with data being written to the new **DB within SQL SERVER SSIS**.

**Environment**: MS SQL Server 2010/2012, SSIS/SSAS/SSRS, T-SQL, Visual Studio 2010/2012,

SQL Server Profiler, Tableau, Dashboard, SQL Server Management Studio.

# PepsiCo, Plano TX Aug 2016 to Feb 2017

**SQL/Tableau Developer**

**Responsibilities:**

* Successfully designed and implemented the disaster recovery with High availability solutions like **Failover Clustering**, Mirroring, **Log Shipping and Replication**.
* Used different tools from IDERA suite like SQL Diagnostic manager for monitoring 24/7 Performance measures, **SQL Defrag Manager** to effectively manage the hot fixes, **SQL Virtual Database** to access data in SQL backup files without restoring.
* Ability to carry out security tasks at network level such as block/unblock TCP/IP ports through firewall on both Linux and windows and block/unblock remote access to MySQL server.
* **Configuring/Installing/Troubleshooting Apache and PHP**.
* Created data extracts as part of data analysis and exchanged with internal staff.
* Managing **SQL server using PowerShell scripts**.
* Performed MySQL Replication setup and administration on Master-Slave and Master-Master.
* Monitored and managed **DB2 thread and locking issues**.
* Involved in granting various authorizations and privileges to different users.
* Proactively monitored and performed daily maintenance activities.
* Created database data mart mappings. Data Mart and database design for **OLAP cubes**.
* Worked as a developer in creating complex Stored Procedures, Triggers, Functions, Indexes, Tables, Views and other **T- SQL code and SQL** joins for applications.
* Extensively used T- SQL in constructing user functions, views, indexes, user profiles, relational database models, data dictionaries, and data integrity.
* Fine-tuned the logic in **Procedures, Functions and Triggers for optimum performance**.
* Extensively used SSIS to move data from text files to SQL Server.
* Views using T- SQL in Development and Production environment for **SQL Server 2008**.
* Responsible for Security Planning and disaster recovery for the server and the Data Warehouse.
* Created ETL process from the **OLTP database** to the Data Warehouse and loading Data Marts to support several reports.
* Created Indexes on tables for better performance and removed unused indexes based on the statistics.
* Created jobs to alert staff about data inconsistencies in the data warehouse.
* Created SQL Scripts for data loads and upgrades for data migrations and data validations.
* Developed **Tabular and Chart Reports in SSRS**.
* Transformed new Gen Tax users from novices to experts by instilling confidence in performing every day.
* Created complex SSIS packages using proper control and data flow elements with error handling.
* Designed cubes in star schema using **SQL Server Analysis Services (SSAS)**.
* Developed cubes with various Perspectives and deployed those cubes in development, integration, validation and production servers of SSAS.
* Refactoring of data warehouse schema to remove unused or **obsolete database objects** and improve design.
* Responsible for keeping system and databases **up-to-date** by making necessary changes.
* Optimized Stored Procedures and long running queries using query-optimization techniques.
* Tuning SQL Queries by Coordinating with team members
* On Call 24\*7 Production Support.

**Environment**:

Windows 2012 Advance Server, Power shell, SQL Server 2008/ 2012 /2014, Microsoft IIS 6, SharePoint2007, Microsoft.NET, T- SQL, SSIS, SSRS, SSAS, MS Visual Studio 6.0.

**Local Edge - Houston, TX July 2014 to July 2016**

**SQL/SSIS/SSRS Developer**

**Responsibilities:**

* Experienced in Installing, configuring and maintaining **multi node (2-node, 4-node) clusters running SQL** Server 2008R2/2008 in Active/Active, Active/Passive and Active/Passive mode.
* Worked on installation, configuration and deployment of **SQL Server Integration Services (SSIS),** and **SQL Server Reporting Services (SSRS).**
* Performed in configuring DR sites using **Database Mirroring technology** on **SQL server 2008R2/2008/2005** with a witness server or without witness server to configure automatic failover.
* Expertise in implementing Log Shipping as backup solution for **MS SQL Server 2005/2008/2008R**2 databases.
* Highly experienced in implementing Replication Models such as **Transactional and Snapshot in SQL Serve**r.
* Experience in logical & physical Data modeling, data architecture design, Normalization and De-Normalization techniques for both **OLTP and OLAP** (Star Schema/Snowflake schema) using DM tools **like ERWIN, Visio, SQL Diagrams**.
* Managed the troubleshooting, planning and migration activities in line with the company's requirements. Performed Database Integrity Checks, **updated Database Statistics and performed Re-indexing through Maintenance Plan**.
* Highly Experienced in **SQL Server performance tuning**, query optimization, Database Maintenance plans, Database Consistency Checks using DBCC and DMV'S.
* Expertise in using tools like SQL profiler, windows performance monitor and performance counter for monitoring and tuning MS SQL Server performance, SCOM and OVPM.
* Performed Multi File Imports, **Package configuration**, **Debugging Tasks and Scripts in SSIS** and Scheduled package execution in SSIS and Installing packages on multiple servers in SSIS.
* Experience in configuring and managing Linked Server, Data transfer between SQL Server and other **RDBMS**.
* Developed and deployed SSIS packages for ETL from OLTP and various sources to staging and staging to Data warehouse using Fore Each Loop Container, Execute Package task, Execute SQL Task, Sent Mail task, Lookup, Fuzzy Lookup, Derived Columns, Condition Split**, CDC Control Task, CDC Splitter, CDC Source**, Slowly Changing Dimension and more.
* Performed **ETL mappings using MS SQL Server Integration Services 2008R2/2012**.
* Developed complex SQL Queries, Joins, subqueries, correlated sub queries, Stored Procedures, functions, Joins, Constraints, DDL, DML and **User Defined Functions** with best execution plan in SSMS to implement the business logic.
* Defined and Created databases, tables**, Cluster/Non-Custer Index, Views, Unique/Check Constraints** and Triggers using T**- SQL in Development and Production environment**.

**Environment**:

SQL Server 2012/2008R2/2005 Enterprise, Windows Enterprise Server 2012/2008R2, T- SQL, SSIS, SSAS, SSRS, NetBackup and Spotlight.

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**Verizon- Waltham, MA Sep 2013 to May 2014**

**SQL Developer**

**Responsibilities:**

* Participated in enhancements, design reviews, and ensured design meets functional and operational needs.
* Designed and developed the C# components for implementing business logic in middle tier in 3-tier application interacting with **SQL Server** database using Managed provider using ADO.NET.
* DBA Production Support of all repeatable and automated processes in business critical applications.
* Iterative approach to BAU support and **DevOps** in an **Agile** development environment.
* Evolving requirements from discussions to ensure data integrity, scalability, and security.
* Preserve database & server by backing up the server and anticipating needs for future capacity increases.
* Built web services around public and private Google APIs to output formatted action results.
* Utilized **OWIN OAuth 2.0** tokens for authorization with trust-worthy third parties like Facebook and Twitter.
* Developed complete Data access layer Component using C#.
* Designed UI pages with Razor views.
* Rapid deployment of critical issue code fixes using Source Tree for release management.
* Scope was an end-to-end DWH implementation consisting of bringing data from three source systems comprising the SAP, **Flatfiles** and loading them to the OLAP system. Exception handling for logging errors in HTTP request/response pipeline.
* Helping develop internal Web application for several Security Technology System programs. Development are done using ASP.NET-C# Web forms and Telerik controls, OOP in Visual Studio 2012 and 3Tier methodology.
* Unit of work, repository, **MVC** to architect **Asp.NET** SPAs using EF, **AngularJS**, and **Web API 2**.
* Implemented **MVC** pattern for development of the product.
* Prevented SQL Server from SQL Injection.
* Construct a **RESTful** web service that pinpoints 404 errors with **Entity Framework** and **Web API**.
* Create a dynamic **AngularJS UI** for displaying vital reports on server health monitoring.
* Dynamically set and retrieve **JSON** objects in an **Asp.NET SPA** using the AngularJS.
* Rewrite business logic to improve testability by decoupling **DOM and KendoUI** components.
* Troubleshoot errors in user data entries with custom tools, code updates, and order reprocessing.
* Experience in developing reports using Crystal Reports and SQL Server Reporting Services (SSRS).
* Used technologies like **MVC**, JavaScript, JQuery, HTML and CSS for the front end UI and animations.
* Developed **Crystal Reports** to generate various reports like consultation follow up, Nursing Notes and integrated with ASP. Net.
* Used SQL server 2012 and Azure to retrieve the data.
* Created an IOS and Android Application using **Xamarin Forms**
* Upgrading existing DTS SQL Server 2000 packages into **SQL server 2008 SSIS packages** and Creating automated ESP jobs for all the SSIS packages and testing in different database environment to ensure the functionality.
* Used Get Patients, Get Physicians web methods in **Xml Web Services** to retrieve information in a particular city.
* Implemented Form Based authentication and Role based authorization to authenticate users.
* Work with architect to tune **T-SQL** query performance to improve upon business needs.
* Used ADO.Net Technology to connect the web forms to data sources such as MS SQL Server and Xml files for manipulating data in database.
* Developed **SQL queries, T-SQL procedures, Functions, triggers** to handle the business rules data integrity and for various data transactions.
* Used Data Transformation Services to import the data in SQL server from heterogeneous data sources like excel Access and Oracle.
* Coded using **XSLT** in generating patients list taking the data from XML document and formatting with **XSL**.
* Performed extensive Unit testing using **NUnit**, developed Test Plans, Test Cases.
* Implemented **Unit Testing** and **Spec Flow** testing.
* Used **Team Foundation Server** for version control of the source code along with the maintenance of the builds and the relevant documents of the same.
* Visual SourceSafe was used to maintain the version and source control.

**Environment:**

SQL Server 2012/2008R2/2005 Enterprise, Windows Enterprise Server 2012/2008R2, T- SQL, SSIS, SSAS, SSRS, NetBackup and Spotlight

**Mirco Genesis TechSoft Pvt Ltd , Bangalore, India Nov 2011 to Aug 2013**

**SQL/SSIS/SSRS Developer**

**Responsibilities:**

* Created the **ETL (SSIS) packages and ETL procedures** scheduled them for Jobs.
* Modifying scripts to handle automated Loading/Extraction and Transformation (ETL) of data using (SSIS).
* Involved in **Source Data Analysis** and **Designing Mappings** for data extraction also responsible for Design and Development of SSIS Packages to load the Data from various Databases and Files.
* Extensively worked in data integration in developing **ETL mappings and scripts using SSIS**.
* Data migration (import &amp; export - BCP) from Text to SQL Server.
* Implemented batch processing using Jobs and DTS.
* Involved in **Designing, Developing and Testing of the ETL** (Extract, Transformation and Load) strategy to populate the data from various source systems feeds using SSIS.
* Designed ETL packages dealing with different data sources (SQL Server, Flat Files) and loaded the data into target data sources by performing different kinds of transformations using **SQL Server Integration Services (SSIS).**
* Responsible for coding **SSIS processes** to import data into the Data Warehouse from Excel spreadsheets, **Flat Files and OLEDB Sources** (SQL Server, Oracle, DB2 etc.).
* Involved in building and maintaining SSIS Packages to import and export the data from various data sources using **BIDS** based on the design data models.
* Worked on various tasks and transformations like **Execute SQL Task, Execute Package.**
* Task, and Conditional split, Script Component, Merge and Lookup while loading the data into Destination.
* Created stored procedures, **Triggers, User-defined Functions**, Views for both Online and Batch requests handling business logic and functionality of various modules.
* Responsible for Database and Log Backups &amp; Restoration, Backup Strategies and Scheduling Backups.
* Created Packages, Jobs and Sending Alerts using SQL Mail, database Backup,
* Recovery and Disaster Recovery procedures. Planned the complete Back-up of various Databases for Disaster recovery scenarios.
* Fulfilled Business Analyst requirements by Completing **Universe Development Life Cycle** to Prepare, Analyze, Plan, Implement, Test, and Deploy &amp; Maintain to Successfully
* Developed Universe meeting User Needs and Requirements from both technical and strategic views of an organization.
* Expert in Data Extraction, **Transforming and Loading (ETL)** using **Business Objects Data**
* Integrator XI (BODI), Data-services xi3.2, 4.0(BODS)
* Worked on optimizing the performance of the dashboards. Reduced the dashboard loading time by scheduling the backed source webi reports for the live office and changing the live office refresh option to pick from the latest instance.
* Formatted webi reports and scheduled them to be busted as pdf to the report to web server.
* Modified the existing universes for performance tuning and maintained common dimensions across all the universes with unique naming as a part of clean up activity.
* Successfully tested all task in staging and stored all versions of data using **Team Foundation Server (TFS)**.
* Worked on rewriting the existing BO Webi reports into Jasper soft report using the redesigned data model.
* Knowledge of developing reports from Cubes using the KPI&#39;s for decision making, also debugged data connections, data sources and **Data Source Views**.
* Created Parameterized Queries, generated Tabular reports, Sub reports, Cross Tabs, Drill down reports using Expressions, Functions, Charts, Maps, Sorting the data, Defining Data sources and Subtotals for the reports using SSRS.
* Created various ad-hoc **SQL queries for customer reports**, executive management reports and types of report types like tables, matrix, sub reports etc.

**Environment:**

MS SQL Server 2010/2012, SSIS/SSAS/SSRS, T-SQL, Visual Studio2010/2012, SQL Server Profiler, Oracle 10g, Dashboard, Power BI, SQL Server Management Studio, Team Foundation Server (TFS), SQL Server Business Intelligence Development Studio (BIDS).

# Data Gaps Technologies – Hyderabad India May 2010 to Nov 2011

**SQL Developer**

This project 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.

**Responsibilities**:

* Created new database objects like Procedures, Functions, Packages, Triggers, Indexes and Views using T-SQL in Development and Production environment for SQL Server 2000.
* Actively participated in gathering of Requirement and System Specification.
* Developed SQL Queries to fetch complex data from different tables in remote databases using joins, database links and formatted the results into reports and kept logs.
* Worked on complex T-SQL statements, and implemented various codes and functions.
* Installed, authored, and managed reports using SQL Server 2005 Reporting Services.
* Wrote Transact SQL utilities to generate table insert and update statements.
* Developed and optimized database structures, stored procedures, DDL triggers and user-defined functions.
* Implemented new T-SQL features added in SQL Server 2005 that are Error handling through TRY-CATCH statement, Common Table Expression (CTE)
* Created Stored Procedures to transform the data and worked extensively in T-SQL for various needs of the transformations while loading the data.

**Environment**: SQL Server 2008/2005, T-SQL, Microsoft Framework 2.0, Erwin, MS Visio.

**EDUCATION:**

Bachelor of Engineering in computer science from JNTU.