**Harish kelo**

[**harishetl9505@gmail.com**](mailto:harishetl9505@gmail.com) **Nashville,TN,37040.**

**PROFESSIONAL SUMMARY:**

* 8+years of professional experience in working with projects driven on SQL Microsoft Business Intelligence tools, Data Warehousing and ETL processes.
* Expert in **T-SQL** (DDL, DML): functions, views, triggers, cursors, stored procedures on an SQL Server.
* Strong experience in SQL Server Integration Services (**SSIS**), Data Transformation Services (**DTS**) and SQL Server Analysis Services **(SSAS),** and SQL Server Reporting Services (**SSRS**), and **POWER BI**.
* Experience in Coding, Modifying and Debugging new/ existing code.
* Involved in generating Test Plans and Test Specifications as per Business requirements
* Involved in conducting Manual and Automated testing at various phases of the project development.
* Solid experience with **ETL** processes, worked extensively on data extraction, data integration and loading from different data sources using SSIS.
* Worked on all activities related to the development, implementation, administration and support of ETL process for large-scale Data ware houses using SSIS 2008/2012/2013/2014/2017/2019.
* Designed, developed and implemented various SSIS Packages and deployed using Deployment Wizard.
* Good hands on experience on performance tuning of SQL server for handling transactions at high volume.
* Experience in transforming unstructured data from various data sources using SSIS like Conditional Split, Lookup, Merge Join and Sort.
* Experience in report writing using SQL Server Reporting Services (**SSRS**) and creating various types of reports like drill down, drill through, Parameterized, Cascading, Conditional, Table, Matrix, Chart and Sub Reports.
* Hands on experience in generating on-demand and scheduled reports for business analysis or management decisions using **SSRS**.
* Used Microsoft **Power BI** Query to extract data from external sources and modify data to certain format as required in Excel and created **SSIS** packages to load excel sheets from PC to database.
* Created Calculated Columns and Measures in **Power BI** and Excel depending on the requirement using **DAX** queries.
* Experience in Operations with products, reference data, system and credit
* Worked on both live and import data to **Power BI** for creating reports.
* Expertise in publishing **Power BI** reports of dashboards in **Power BI server** and scheduling the dataset to refresh for live data in **Power BI server**.
* Responsible for creating SQL datasets for **Power** **BI** and **Ad**-**hoc** **Reports**.
* Expert in creating multiple kinds **of Power BI** Reports, Dashboards and Visualizations.
* Experience in Creating and managing relationships between tables in **Power BI** to calculate accurate results.
* Excellent knowledge in Dimensional Data Modeling and analyzing the Data Warehouse by building multi-dimensional cubes using **SQL Server Analysis Services (SSAS).**
* Good experience in writing **MDX** queries to access cubes data in **SSAS.**
* Experience in optimization of **cubes** for better query performance.
* Set-up Enterprise Gateway and **SSAS** Connector on Azure VM for POWER BI Report Deployments.
* Good understanding in **Data Marts and data warehousing concepts** **(OLTP & OLAP**). Worked with Data mining and **slowly changing dimensions**.
* Experience with logical and physical data modeling, FACT and Dimensional tables and database design using Data Modeling Tools like Erwin, MS access and Microsoft Visio.
* Experience in Dimensional Modeling, Designing of **STAR, SNOW FLAKE** Schemas.
* Extracted data from various sources like SQL Server 2008/10/12/14, Oracle, CSV, Excel and Text file from Client servers and through **FTP.**
* Working knowledge in **Agile/Scrum** environments.
* Experience with Software Development Life Cycle (**SDLC**), Agile, Scrum and Project Management Methodologies.
* Hands on experience in using Version Control software like VSS, Rational Clear Case and (**TFS**) Team Foundation Server.
* Very good hands on experience in **TWS** Scheduler tool for scheduling ETL jobs.
* Flexible, enthusiastic and project-oriented team player with solid communication and leadership skills to develop creative solution for challenging client needs.
* Migrate projects from **Informatica** to **SSIS** along with **Teradata** to **SQL**
* Good knowledge on continuous deployment tool like **Octopus and Team city** deploy.

**TECHNICAL SKILLS:**

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| --- | --- |
| Data Warehousing/ BI Tools | SQL Server Business Intelligence Development – SSIS, SSRS, DTS, BI Stack (Power pivot, Power query, Power map) |
| Database Tools | SQL Server Management Studio, Business Intelligence Development Studio, SQL Profiler, T-SQL, PL/SQL, |
| Reporting Tools | SQL Server Reporting Services, MS Excel, Power BI, Tableau |
| Application Packages | MS-Front Page, Microsoft Office Suite, SSIS, SSAS, SSRS |
| Operating Systems | Windows 10 - 2003, XP, 2000, NT, ME, 98, Macintosh |
| Programming Languages | C, C++, Java, Java Script, ASP.Net, VB.Net |
| Other Software | Work Shelf, Adobe Software |

**EDUCATION:** **Master’s in computer Science**

**PROFESSIONAL EXPERIENCE:**

**Old National Bank(ONB), Nashville, TN July 2021 to Till Date**

**Role: ETL SSIS Developer**

* Coordinating with business users in analyzing business requirements and translating them to technical specifications.
* Translated business needs into **data analysis, business intelligence data sources and reporting solutions for different types of information consumers**.
* Migration of data from SQL,Excel source to CRM using SSIS.
* Decided and Used **Kingsway** soft and SSIS for data migration I.e, from dynamic 2016 to dynamics 365.
* Worked on installing **Kingsway** soft 3rd party tool on my local machine for SSIS data migration to dynamics 365.
* Worked on connecting Kingsway Soft successfully for **CRM Connection manager, CRM Source component and CRM destination component.**
* Created complex SQL **stored procedures, Triggers, Functions, Views, Indexes** in SQL Server 2019.
* Created the views in the intake-database for the **MS Sales hierarchies** to be use in the **store procedures** in Staging database.
* Used Joins, **correlated and non-correlated sub-queries** for complex business queries involving **multiple tables & calculations from different databases**.
* Designed **SQL SSIS Packages** to extract data from various data sources such as Access database, Excel spreadsheet, and flat files into SQL Server 2016 for further Data Analysis and Reporting by using multiple transformations provided by SSIS such as **Data Conversion, Conditional Split, Bulk Insert, merge and union all.**
* Scheduled and maintained nightly and weekly loads of data by **creating the corresponding job tasks**.
* Using SSIS Package identified the Up-streams and imported the required tables into intake-database, **Store Procedures** are created in staging database using the intake-database **tables & views**.
* Checking the code into **TFS (Store Procedures, Views, Tables, Schema)** for the deployment process for the **production environment**.
* Developed SSIS (ETL) packages to validate, extract, transform and load data from OLTP system, DSR (Staging Database) to Data Warehouse.
* Responsible for implementation of data viewers, SSIS Logging, error configurations for error handling the packages.
* Created SSIS packages to extract and Scheduled Jobs to call the packages and Stored Procedure.
* Extensively used SSIS Import/Export Wizard for performing the ETL operations.
* Involved in implementing SSIS package security, protecting packages, executing, monitoring and managing them.

Environment: MS SQL Server 2016/2017/2019, CRM Dynamics, SSIS, KingsWay Soft, Microsoft Visual Studio, Azure devops.

**Responsibilities:**

**First Midwest Bank(FMB), Joilet, IL Aug 2019 to July 2021**

**Role: ETL SSIS Developer**

**Responsibilities:**

First Midwest, with assets over $20 billion, is the premier relationship-based banking franchise in the dynamic Chicagoland banking market. As one of the Chicago metropolitan area's largest independent bank holding companies, First Midwest provides the full range of commercial, retail banking, and wealth management services through some 120+ offices located in communities in metropolitan Chicago, Northwest Indiana, Central and Western Illinois, Eastern Iowa, and Southeast Wisconsin.

* Worked on Database Development, Design, Analysis, SQL Servers 2016,2017,2019 in Development, Testing, UAT and Production Environments.
* Expand the company’s use of data as a strategic enabler of corporate goals and objectives.
* Facilitated information gathering sessions and provided data analysis and data mapping.
* Worked with various customers, prospects, and stakeholders, understands, and translates business use cases and/or requirements into data models, data integration routines.
* Created source to target mappings and ETL design for integration of new/modified data streams into the data warehouse/data marts.
* Develop ETL code as per the technical specifications and business requirements according to the established designs
* Understanding of Enterprise Data warehouse data models and dimensional modeling concepts.
* Developed **SSIS (ETL)** packages to validate, extract, transform and load data from OLTP system, DSR (Staging Database) to Data Warehouse.
* Worked on extracting, transforming, and loading **ETL** data from excel, flat file in **SSIS** to control the flow of SSIS packages.
* Developed **SSIS** packages with various tasks like - **FTP**, file system, for each loop, execute package, data flow task, execute SQL task, custom script task.
* Created script tasks in **SSIS** Packages using **C#** for Active Directory Automation, **SMTP** and **SFTP** with encryptions.
* Created script components for generating Hash keys.
* Creating **SSIS** packages for transforming data from warehouse to Datamart, to import data from source systems, or transfer data from one server to another.
* Create/maintain design related artifacts i.e. data models, Mapping documents, architecture diagrams, data flow diagrams
* Involved in complete **SSIS** life cycle in creating **SSIS** packages, building, deploying and executing the packages in both the environments (Development and Production).
* **Monitored and supported production jobs(Daily,weekly,monthly) maintain, and enhance legacy ETL processes on a regular basis.**
* T-SQL stored procedures with parameters and without parameters and complex SQL queries with custom coding for dynamic tables.
* Developed queries using joins, unions, sub-queries, date and time functions, co-relation sub-query etc.
* Used Breakpoint and Data Viewer in **SSIS** packages to review the data status, while transferring data from source to destination files.
* Experience in Data Profiling & data analysis in a DW environment on MS SQL Server
* Performed error and event handling: precedence Constraints, Break Points, Check points and Logging, re-running the failed **SSIS** packages using checkpoints.
* Handled slowly changing dimensions **(SCD) type 2** in order to maintain the history of the data.
* Ability to work and deliver in a very high paced environment with limited information at times to support business needs
* Conduct ETL unit testing and code reviews.
* Implemented various procedures for tracking data quality, completeness, redundancy, and improvement; and processes for governing the identification, collection and use of corporate metadata to assure metadata is accurate and valid in the business intelligence environments.
* Participate in system and integration test; identifies and remedies solution defects.
* Create other technical artifacts needed for project implementation (**DI**).
* Excellent SQL skills and ability to create T-SQL/stored procedures
* Configuration Management using Microsoft Team Foundation Server and/or other version control tools
* Knowledge of end to end **SDLC** from project inception to deployment
* Hands on experience Creating new Repositories such as Development,Test,UAT and Master in **Azure Devops**.
* Code check in check out using **Azure** **devops** server.

Environment: MS SQL Server 2016/2017/2019, Microsoft Visual Studio, Azure devops.

**Partnership Health Plan of California, Fairfield, CA March 2019 to Aug 2019**

**Role: SQL ETL Developer**

**Responsibilities:**

* Analyzed multiple data sources and created stored procedures, packages to load the data into OLAP Databases. Optimized the performance of existing ETL SSIS packages.
* Created Data Pipelines and minimized the network traffic to optimize time for ETL process.
* Maintained historical audit tables to handle TYPE 2 SCD (Slow Changing Dimension).
* Proficient with SQL queries to build views, pull data from linked servers, and create multiple Database Objects.
* Wrote multiple optimized stored procedures to improve ETL process time and clean flow of data.
* Extensively used Derived Column, Lookup, Conditional Split, Merge Join, Sort, execute SQL Task as part of SSIS packages to load data from one system to another.
* Upgraded SQL 2006 DTS packages to SSIS 2008 and later upgraded those to SQL 2016.
* Responsible for writing complex SQL for extracting data from the heterogenous systems using SQL objects and utilizing these objects as per the need for the business.
* Responsible for performing Extraction Transformation and Loading (ETL) process by pulling large volume of data from various data sources using SSIS.
* Heavy involvement in replacing new claims core system **Health edge** with old core Amysis Source.
* Ensure the accuracy of metadata and reference of data in association with business /technical required policy and procedures
* Good knowledge of understanding the data for Claims, member, provider, enrollment.
* Filtered bad data from legacy system using T- SQL and implemented constraints and triggers into new system for data consistency.
* Resolve issue related to Metadata/Reference Data
* Responsible for Scheduling Jobs, Alerting and Maintaining SSIS packages through SQL server Agent Job Scheduler.
* Identity key reference data and client permissibility language in official source documentation

Environment: MS SQL Server 2012,2016, SSIS, Microsoft Visual Studio.

**Proctor and Gamble(P&G) Cincinnati, OH March 2018 to Jan 2019**

**Role: SQL BI (ETL) Developer**

* Designed and developed and deployed SQL Server Integration Services (SSIS) packages to validate, extract, transform and load data from multiple homogeneous and heterogeneous information sources (CSV, DAT, Excel, Oracle dB).
* Filtered data from Stage to EDW by using Complex SQL statements in Execute SQL Task and implemented various Constraints for data consistency and to preserve data integrity.
* Worked with various control flow items **like For-Each Loop Container, Script task, Execute SQL task, Send Mail Task, SFTP Task**, Execute Package Task as per business requirement.
* Extensively used transformations such as Derived Columns, Condition Split, Aggregate, Script component Transformation, Merge Join and Union all.
* Implemented error handling using Event Handlers (On Error) and Configure Error Output in ETL load.
* Created Package Configuration, Variables and used expressions in order to make the Package dynamic.
* Handled slowly changing dimensions **(SCD) type 2** in order to maintain the history of the data.
* Performed tuning and optimization of slow running packages by reducing the data flow usage.
* Modified and recreated various packages for business needs and also added more alerts in case of package failure.
* Created Index to optimize performance of **T-SQL** queries and created Views to reduce complexity of end user.
* Created and modified various Stored Procedures using T-SQL.
* Scheduled packages to run daily and monthly using SQL Server Agent Jobs.

Environment: MS SQL Server 2012,2014, SSIS, TFS, Microsoft Visual Studio.

**CareSource, Dayton, OH**

**Role: SQL/SSIS/ ETL Developer March 2017 – Feb 2018**

**Responsibilities:**

Project: CareSource provides public health care programs including Medicaid, Medicare and marketplace. The company is headquartered in Dayton, Ohio. It is the largest Medicaid plan in Ohio and second largest in the United States, the company had more than 1.9 million members in four states. The main goal of this project is to provide the Data Integration for various Line of Business using SSIS.

* Worked as a SQL developer to write complex queries like Stored Procedures, Triggers, Functions, Indexes, Tables, Views and other T-SQL code and SQL joins for applications.
* Gather business requirements from users and translated them as technical specs and design docs for development.
* Actively involved in requirements gathering/analysis meetings with Business and provide description about the analysis and approach.
* Created Request for Change **(RFC**) for Change Management Request (**CMR**) for moving database/ tech changes from Development to Testing and to Production during sprints.
* Created and developed **SQL** server jobs on SQL Server Integration Services (**SSIS**) packages to automate the execution of the packages at a particular time depending on requirements.
* Extensively used SSIS to move data from text files to SQL Server.
* Created Complex **ETL** Packages using SSIS to extract data from staging tables to partitioned tables with incremental load using Visual Studio.
* Proficient in usage of SSIS Control Flow items (For Loop, Execute package/SQL tasks, Script task, send mail task) and SSIS Data Flow items (**Conditional Split, Data Conversion, Fuzzy lookup, Fuzzy Grouping, Pivot)**
* Created logging 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.
* Experience in building SSIS packages involving ETL process, extracting data from various flat files, Excel files, legacy systems and loading into SQL server.
* Hands on experience working with SSIS, for ETL process ensuring proper implementation of Event Handlers, Loggings, Checkpoints, Transactions and package configurations.
* Created SSIS/DTS packages to copy tables, schemas, views to extract data from Excel.
* Designed ETL packages dealing with different data sources (SQL Server, Flat Files, and XMLs etc.) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Create complex **DTS** Packages in SSIS for Data load from CSV/Excel Sheets with more than 200 columns and with different file layouts to SQL Server database.
* Imported various heterogeneous files using **Informatica** Power Center 8.x Source Analyzer.
* Migrate projects from **Informatica** to **SSIS** along with **Teradata** to **SQL**
* Involved in **SQL testing** to meet business deadlines.
* Good knowledge on continuous deployment tool like **Octopus and Teamcity** deploy.
* Coordinated and attended every day **standup’s/scrum/agile** meetings and weekly sprint meetings to evaluate completed work.
* Ensured **HIPPA** and regulatory compliance rules are addressed for all data movement
* Good knowledge of **HIPAA** security and privacy guidelines
* Worked on Agile Methodology and Microsoft **Team Foundation Server (TFS)**

Environment: MS SQL Server 2016, Excel, SQL, T-SQL, SSIS, SSRS, Microsoft Visual Studio 2014, Microsoft Visio, Tera data, Informatica, TeamCity, Octopus, Agile/Scrum, TFS.

**United Health Group (Optum), Baltimore MD June 2016 - March 2017**

**Role: MSBI/Power BI Developer**

**Responsibilities:**

* Designed and implemented the **ETL** processes using **SSIS** which involved collection of data from sources like **SQL Server 2012/2014/2016**.
* Developed and deployed **SSIS** packages, configuration files, and schedules job to run the packages to generate data in **CSV** files, **Flat** files.
* Troubleshooting reports issues, **ETL** job failures, optimizing query performances.
* Automated File Transfer Processes and mail notifications by using **FTP** Task and Send Mail task in packages.
* Implemented Event Handlers and Error Handling in **SSIS** packages and notified process results to various user communities.
* Designed and built up high performance **ETL** packages to migrate and manipulate data from **MS** **Excel** and **SQL** Server by using **SSIS**.
* Extracted data from different sources and stored the data into the intermediate Staging Database using **SSIS ETL** tool.
* Coordinating with business users in analyzing business requirements and translating them to technical specifications.
* Creating and managing schema objects such as, Tables, Views, Indexes and referential integrity depending on user requirements.
* Conducted Business Requirements, Functional and Technical meetings with Business groups
* Involved in developing Complex **SSRS** Reports involving Sub Reports, Matrix/Tabular Reports, Charts and Graphs
* Created and manages reports subscriptions and schedules **SSRS** reports.
* Developed impactful reports using **SSRS**, MS Excel, Pivot tables and Tableau to solve the business requirements.
* Generated reports using Global variables, Expressions and Functions based on the requirements in **SSRS**.
* Created region level security in reports to prevent users of one region from seeing data of a different region and implemented subscriptions for Reports using **SSRS**.
* Created Parameterized Reports, cascaded Reports, linked Reports, and thorough knowledge of report server architecture using **SSRS**.
* Introduced **Power** **BI** in company by evaluating **Power** **BI** and Tableau as earlier Crystal Reports were used.
* Created different **visualization (Stacked bar Chart, Clustered bar Chart, Scatter Chart, Pie Chart, Donut Chart, Line & Clustered Column Chart, Map, Slicer, Time Brush etc.) in Power BI** according to the requirements.
* Created **Page Level Filters, Report Level Filters, and Visual Level Filters in Power BI** according to the requirements.
* Used One Drive for storing different versions of **Power BI** report.
* Published **Power** **BI** Reports in the required originations and Made **Power** **BI** **Dashboards available in Web clients and mobile apps.**
* Created **Dashboard and the Content Pack for the originations** to get the updated **Power** **BI** Reports. And added the refresh time for each tile in the dashboard.
* Create reports in **Power BI**preview portal utilizing the **SSAS Tabular Model via Analysis connector.**
* Created many Complex Query’s and used them in **Power BI Reports** directly to generate reports on the fly.
* Configuration and Deployment of all the Reports (RDL, RDS) across various SDLC environments.
* Extensively used Joins and Sub-Queries to simplify complex queries involving multiple tables.
* Performed debugging, performance checks and performed index tuning and query optimization.
* Used Performance Monitor and SQL Profiler to optimize queries and enhance the performance of database servers.
* Created Error and Performance reports on **SSIS** Packages, Jobs, Stored procedures and Triggers.
* Developed Data Source, Data Source View to create a logical view of the data to be placed in OLAP Cubes using SQL Server Analysis Services (**SSAS**) projects.
* Developed tabular models for reporting, came up with design based on requirements and volume of data, whether to develop **SSAS** **OLAP** cube or Tabular Model.
* Used **DAX** (**Data** **Analysis** **Expressions**) functions for the creation of calculations and measures in the Tabular Models.
* Created perspectives in SSAS and configured security levels for the Cubes.
* Created Star Schema for **OLAP** cube generation and extensively worked dimension modeling for analysis service using **SSAS**.
* Responsible in developing the Star Schema in a Data Warehouse design.
* Built a Tabular Model cube from scratch data and by **MDX** queries fetched data to **SSRS** and **Power** **BI** reports.
* Created **DAX** and **VB** scripts for Excel reporting and calculated members.
* Built Ad-Hoc reports in **Power** **BI** depending on business requirements was one of the major responsibilities.
* Created jobs using **TWS** tools to run at regular intervals of time if the given condition is satisfied and then refreshes the database with new data.
* Used Indexing strategies and query optimization techniques to optimize Stored Procedures and long running queries.
* Cube Watcher activities monitoring the TWS on daily basis. Working on job and communicating with IDS team and users.

**Environment:** MS SQL Server 2014/2016, MS SQL Server Integration Services (**SSIS**), MS SQL Server Reporting Services (**SSRS**), MSSQLServerAnalysisServices **(SSAS), DAX,** **POWER BI**, **Visual** **Studio** 2014, Agile, C#.NET, T SQL, SQL Profiler, XML, Team Foundation Server (TFS), MS Excel, Toad, TWS, Excess, Windows 8

**PayPal Holdings, Inc., Baltimore MD Oct 2015 – May 2016**

**Role: SQL Developer**

**Responsibilities:**

* Created SQL scripts to load the custom data into Development, Test and production Instances using Import/Export. Created scripts to create custom Tables and Views.
* Performed backup/restore, database objects such as tables, procedures, triggers, constraints, indexes and views.
* Used SQL profiler to view indexes performance to mostly eliminate table scan.
* Used highly complex TSQL Queries and SQL Scripts to perform efficient data load based on complex Business rules.
* Extensively used TSQL to manipulate and architect to produce results for users. Used multiple join statements to retrieve data from multiple tables.
* Extract Transform and Load source data into respective target tables to build the required data marts.
* Install and configure servers and clients using SQL Server 2005. Create and upgrade SQL databases.
* Maintained the physical database by monitoring and optimizing performance, data integrity and SQL queries for maximum efficiency using SQL Profiler
* Experience in Creating stored procedures, views, triggers, user defined functions to incorporate the flow of business and called various stored procedures from DTS to make the flow of DTS effective.
* Worked on creating documents in Mongo database. Worked on multiple BSON type objects and used based on requirement.
* Performed day-to-day Database Maintenance tasks including Database Monitoring, Backups, Space, and Resource Utilization.
* Creation, configuration and monitoring Shards sets. Analysis of the data to be shared, choosing a shard Key to distribute data evenly. Implemented scripts for mongo DB import, export, dump and restore.
* Performed efficient tuning of SQL source queries for data load/ Usage of stored procedures for performance.
* Created various DTS packages for data transfer and migration.

**Environment:** SQL Server 2005, T-SQL, Mongo Database.