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***Susheel Kumar***

***CARRER SUMMARY***

* 12+ years of Analytics experience in designing, developing, and delivering Data Warehouse and Business Intelligence solutions within highly matrixed, Agile environments.
* Expertise experience in delivering key insights through data preparation, data analysis, and data visualization.
* Experience working with Guidewire Claim Center (Property and Casualty, Worker’s Compensation), Policy Center and Billing center data in insurance domain.
* Involved in gathering requirements from the Business Users in creating an effective data model to capture all the required data attributes.
* Diverse experience in all stages of the Software Development Life Cycle with emphasis on Business Analysis, Data Analysis, Gap Analysis
* Demonstrated experience in healthcare data analysis and reporting related to claims, providers, program type, sub program type, and member healthcare data, age groups, and premium amounts.
* Highly efficient Data Analyst with experience in Data Analysis, Data mining with large data sets of Structured and Unstructured Data, Data Acquisition, Data Validation, Predictive Modeling, and Data Visualization.
* Strong working knowledge of database and data warehouse architecture and design concepts.
* Well-versed in database design, development, tuning, and query optimization using SQL Server and T-SQL.
* Proficient in developing and maintaining of functions, procedures, triggers, indexes using MYSQL database programming language.
* Collecting and interpreting the inventory of data sets and requirements for data integration
* Highly skilled at Data analysis, profiling, testing, modeling, ETL, validations, and authentications.
* Proficient in Data Analysis using Power BI/ Tableau / SPSS.
* Well-versed in all phases of the Data warehouse and Software Development Life Cycle.
* Experience working in Agile scrum environments with Azure DevOps.
* Expertise in query optimization, stored procedures, and performance tuning using SQL Server and T-SQL.
* Highly technical and solution driven mindset; adept at solving complex problems to meet business needs.
* Excellent interpersonal communication skills: strong ability to work in collaborative Agile/Scrum team environments.

***TECHNICAL EXPERIENCE***

***Languages:*** Transact SQL (T-SQL), Oracle, PL/SQL, DB2, Teradata, C, C++, VB Script, Python

***Database Tools:*** SQL Server Management Studio, Business Intelligence Development Studio, Toad, SQL Query Analyzer, Index Analyzer, SQL Jobs, Bulk Insert and BCP, Tera Data SQL Assistant, Oracle SQL Server, Postgres

***DB Modeling Tools:*** MS Visio 2010, Erwin 4.0

***Reporting Tools:*** Power BI, Tableau, SQL Server Reporting Services (SSRS), MS Excel

***Databases:*** MS SQL Server 2016/2014/2012/2008, MS Access 2007, Tera Data, DB2, Oracle, Snowflake

***ETL Tools:*** SQL Server Integration Services (SSIS), SAP BODS, Pentaho, Azure data Factory (ADF)

***Analysis Tools:*** SQL Server Analysis Services (SSAS)

***Source Control:*** Team Foundation Server (TFS), Tortoise SVN, Git, Bitbucket

***Operating Systems:*** Windows 2003/XP/Vista/7/8/10, UNIX

***EDUCATION***

***Master of Computer Engineering***, University of Houston Clear Lake, Houston, TX, USA - May 2013.

***Bachelor of Technology in Electronics and Communication Engineering***, JNTU, Hyderabad, India - May 2011.

***PROFESSIONAL EXPERIENCE***

***Publix Supermarkets- Lakeland, FL July 2023 – Till date***

***Senior BI/Power BI Consultant***

* Worked closely with the Business for design and development of data migration data for various Retail data.
* Involved in analysis, design, and documenting business requirements and data specifications.
* Responsible for interaction with business stake holders, gathering requirements, development and

delivery, covering the entire development lifecycle.

* Migrated data from Access to SQL server databases using SQL Server Migration Assistant (SSMA).
* Created stored procedures, CTE, temp table, SQL joins, ranking functions and responsible for performing SQL tuning, multi-tasking and optimizing queries which takes longer time in execution with SQL server 2016.
* Worked with high-level design of ETL (SSIS) Packages by using multiple transformations and deploying them to the servers.
* Used Power Query to acquire data and to make changes to existing data.
* Created Data models and relationships in Power BI desktop for the tables.
* Used Dataflows as a dataset for creating reports and published them to the report server.
* Utilized Power BI gateway to keep dashboards and reports up to-date with on premise data sources.
* Extensively used DAX functions for calculations/Measures for data visualization in Power BI.
* Worked on creating Row-level Security (RLS) and Object level security (OLS) in reports/Dashboards.
* Worked with creating KPI’s in dashboards to monitor them.
* Worked with different workspace for deploying/publishing reports and scheduled the reports on Power BI Server.
* Created the deployment scripts and responsible for SQL code migration from Dev to QA and QA to production.

***Environment:*** SQL Server 2016, T-SQL, SQL Profiler, SQL Server Migration Assistant (SSMA), MS SQL Integration Services, Power BI Desktop, Power BI Admin, Access, SharePoint, Excel.

***US Bank- Irving, TX. January 2022 – June 2023***

***Lead BI/ Power BI Developer***

* Led the design and development of reporting for applications data for debit/Credit cards.
* Developed different visual options to choose from for each report for discussion with product owners and leadership.
* Creating complex stored procedures, CTE, temp table, SQL joins, ranking functions and responsible for performing t-SQL tuning, multi-tasking and optimizing queries which takes longer time in execution with SQL server 2016.
* Used Execution Plan, SQL Profiler and Database Engine Tuning Advisor to optimize queries and enhance the performance of databases.
* Creating and managing the clustered indexes and non-clustered indexes using maintenance plans, rebuild indexes and optimized queries using execution plan.
* Created logins, database users and Granted permissions administering the DB security.
* Creating the deployment scripts and responsible for SQL code migration from Dev to QA and QA to production.
* Responsible for comparing the changes using the SQL Red gate and Proactively monitored DB instance health/server state.
* Worked on SSIS Packages to handle different processes as part of the application using Visual Studio 2017
* Created mappings to extract data from Staging area to enterprise data warehouse with applying various business rules. Designed and developed various SQL Server Integration Services (SSIS) packages and using various control flow tasks and data flow transformation.
* Worked with high-level design of ETL (SSIS) Packages for integrating data into OLE DB Connections from heterogeneous sources (Excel, CSV, Oracle, flat file, Text Format Data) by using multiple transformations and deploying them to the servers.
* Developed queries to gather data from ELZ/Hadoop and created Power BI reports/ Dashboards using Power BI Desktop.
* Analyzed user behavior on applications for credit/debit cards and funding on Quantum metric.
* Worked on data cleaning and ensured data quality, consistency.
* Worked on creating queries in superset for the Power BI reports.
* Created Data models and relationships in Power BI desktop for the tables.
* Used Dataflows as a dataset for creating reports and published them to the report server.
* Utilized Power BI gateway to keep dashboards and reports up to-date with on premise data sources.
* Extensively worked with DAX filter functions to return specific look up values in related tables.
* Created several DAX functions for calculations/Measures for data visualization in Power BI.
* Extensive use of DAX (Data Analysis Expressions) functions for reports and for the tabular models.
* Worked with Date and Time functions in DAX for different visuals around dates.
* Designed and developed Power BI graphical and visualization solutions with business requirement documents and plans for creating interactive dashboards.
* Worked on creating Row-level Security (RLS) and Object level security (OLS) in reports/Dashboards.
* Worked with different workspace for deploying/publishing reports and scheduled the reports on Power BI Server.
* Used Power Query to acquire data and to make changes to existing data.
* Worked on Power BI admin portal for tenant settings and assigning the capacity for the workspaces.
* Worked on security and permissions on admin portal for different roles.
* Built logical and physical data model for snowflake as per the changes required.
* Defined virtual warehouse sizing for different type of workloads in snowflake.
* Worked on snow SQL scripts in snowflake cloud Datawarehouse for reporting.

***Environment:*** SQL Server 2016, T-SQL, SQL Red Gate, SQL Profiler, Gitlab, MS SQL Integration Services, MS SQL Reporting Services, Power BI Desktop, Power BI Admin, Snowflake, Hadoop, Presto, Superset, Quantum metric, SharePoint, Excel.

***Mastercard- St. Louis, MO January 2021 – December 2021***

***Senior BI/Power BI Developer***

* Developed ETL packages to pull data from legacy data marts to loyalty BI database.
* Worked on creating Dimensions and facts tables and created SSIS packages to load data incrementally on
* day-to-day basis.
* Involved in analysis, design, and documenting business requirements and data specifications. Supported
* data warehousing extraction programs, end-user reports, and queries.
* Involved in deployment and production support for fixing defects and creating release plans for deployment.
* against different environments.
* Developed error logging in packages for any errors during daily ETL load process.
* Developed packages to load/update historical data to support reporting.
* Worked on creating jobs for data loads on the server.
* Created stored procedures for the SSRS reports as per requirements.
* Developed queries to gather data from Oracle/SQL Server/Postgres and created Power BI reports/
* Dashboards using Power BI Desktop.
* Used Power Query to acquire data and to transform data in Power BI.
* Created Data models and relationships in Power BI desktop for the tables.
* Worked on admin portal for setting up reports and scheduled refreshes.
* Used Git repositories for code check-in and compare for ETL/Reporting.

***Environment:*** MS SQL Server 2017, Oracle, Postgres, Power BI Desktop, Report Builder, Toad, Visual studio.

***Wells Fargo- Des Moines, IA September 2019 – December 2020***

***Senior BI/Power BI Developer***

* Worked with project manager and other stakeholders to define project scope, plan, and requirements.
* Developed complex T-SQL queries, common table expressions (CTE), stored procedures and functions using SSMS for designing SSIS packages.
* Created complex SSIS packages using various Data transformations like Lookup, Conditional Split, Derived Column, Fuzzy Lookup, For-Each loop container etc. in SSIS.
* Implemented several DAX functions for various fact calculations for efficient data visualization in Power BI.
* Enhanced performance using optimization techniques like normalization, indexing etc.
* Worked on data cleaning and ensured data quality, consistency.
* Worked on designing and management of PostgreSQL database schemas and tables.
* Created queries out of Postgres to pull the data to SQL Server using SSIS packages.
* Worked on maintaining the security on Postgres databases.
* Experience working with Azure SQL Databases, Azure data warehouse and Azure analysis services.
* Created Azure run book to scale up and scale down Azure Analysis services.
* Created tabular models in Azure Analysis services.
* Have extensive experience in creating pipeline jobs, scheduling triggers, Mapping data flows using Azure Data Factory(V2) and using Key Vaults to store credentials.
* Have good experience working with Azure BLOB and Data Lake storage and loading data into Azure SQL Synapse analytics (DW).
* Utilized Power BI to create various analytical dashboards that depict critical KPIs for Team Member & Manager level dashboards along with slicers enabling end-users to make filters.
* Utilized Power Query in Power BI to Pivot and Un-pivot the data model for data cleansing and data massaging.
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps.
* Installed and Configured Enterprise Gateway and Personal Gateway in Power Bi Services.
* Implemented several DAX functions for various fact calculations for efficient data visualization in Power BI.
* Utilized Power BI gateway to keep dashboards and reports up to-date with on premise data sources.
* Worked on creating Row-level Security (RLS) and Object level security (OLS) in reports/Dashboards.
* Migrated crystal reports to Power BI reports and dashboards and scheduled the reports on Power BI server.
* Built, published customized interactive reports and dashboards using Tableau Desktop/Tableau server from Teradata source.
* Generated Dashboards with Quick filters, Parameters and sets to handle views more efficiently.
* Built dashboards for measures with forecast, trend lines using line/area charts.
* Developed Tableau workbooks to perform year over year, quarter over quarter, YTD, QTD and MTD type of analysis.
* Created Subscriptions for the reports on Tableau server.
* Designed and developed Power BI graphical and visualization solutions with business requirement documents and plans for creating interactive dashboards.

***Environment:*** MS SQL Server 2016, MS SQL Integration Services, MS SQL Reporting Services, Azure Synapse Analytics, Azure Data Lake & BLOB, Azure SQL, Azure data factory, Azure Analysis services, Azure data warehouse, Postgres, Teradata 15, Tableau 2018.3.5, Tableau server, Power BI, Oracle, Visual Studio 2017.

***Berkley Risk Administrators*** *-* ***Minneapolis, MN. November 2014 – August 2019***

***Senior ETL/Power BI Developer***

* Tasked to collect source Claim and Policy data from various repositories and build data warehouse cubes.
* Created Data warehouse Architecture and Dimensional Modeling using Kimball methodology.
* Worked on gathering requirements by meeting Business Stake holders.
* Worked with star schemas, snowflakes and handling slowly changing dimensions.
* Analyzed business requirements and consulted with business users to gather information about processing needs objectives, functions, features, input, and output requirements.
* Created functional requirements and provided support during business planning of new process solutions.
* Participated in High Level ETL Design meetings with Technical Architect and Project Manager.
* Created high level ETL design documents and data mapping documents.
* Developed complex T-SQL queries, common table expressions (CTE), stored procedures and functions using SSMS for designing SSIS packages.
* Loaded data from different sources to staging tables and loaded to dimension and fact tables accordingly.
* Profiling data sets to better understand the requirements.
* Excellent in high-level design of ETL (SSIS) Packages for integrating data into OLE DB Connections from heterogeneous sources (Excel, CSV, Oracle, flat file, Text Format Data) by using multiple transformations and deploy them to the servers.
* Worked with cubes, KPI’s, hierarchies using Microsoft SQL Server Analysis Services (SSAS).
* Knowledge about MOLAP, ROLAP and HOLAP Proactivecaching mode for cubes.
* Expertise in creating multi-dimensional and tabular cubes.
* Used SAP Business Objects Data Services (BODS) to get claim data from Guidewire Claim center source to DATAHUB (ODS), made changes to the ETL code and update the repositories depending upon the client requirement for reporting purposes.
* Developed MDM strategies and solutions utilizing SQL server MDS tools.
* Worked with Insurance data such as Policy, Claim, and Billing information to load to Databases.
* Created Jobs, Alerts using SQL Server Agent, and scheduled SSIS Packages.
* Troubleshooting and resolving issues [such as connection, failed jobs, application errors, server alerts, space thresholds, within predefined service level agreements] while working in a team environment.
* Handled slowly changing dimensions Type 1 and Type 2 using Lookup, Merge join and Conditional Split.
* Configured SQL Mail agent for sending automated alerts/emails.
* Performed performance tuning/optimizing for all indexes, SQL queries and stored procedures to improve the quality of software.
* Scheduled and maintained nightly and weekly loads of data by creating the corresponding job tasks.
* Configured and scheduled packages to be deployed out to QA and Production environment using Package deployment model and project deployment model in Visual Studio 2010/2012.
* Supported production environment by scheduling the packages, making package dynamic using SQL Server.
* Tested and debugged Stored Procedures and used Triggers to test the validity of the data after the insert, update, or delete.
* Used SQL Server Profiler to monitor the SQL server for deadlocks, long running queries and fine tune the same to improve performance.
* Used SQUISH, JIRA to update and track daily tasks.
* Used version control tools TFS and GIT for versioning of the code.
* Worked extensively on Power BI and created Reports/Interactive Dashboards using different type of Slicers and different Visualizations like Bar Charts, Line Charts, Graphs, and Pie Charts, Cross tabs, Maps, Scatters plots etc.
* Gathered report requirements and determined the best solution to provide the results in either a Reporting Services report or Power BI.
* Installed and configured Power BI Desktop.
* Developed Tabular Reports, Matrix Reports and drill down Reports using Power BI.
* Generated monthly and quarterly reports as bar charts for the management using different techniques like data filtering and deploying reports to Power BI Service.
* Developed Power BI Apps and deployed to Power BI App workspace to share a multitude of dashboards and reports with user groups.
* Published Power BI reports to the Power BI self-service and troubleshoot deployment and performance issues.

***Environment:*** MS SQL Server 2016/2014/2012, MS SQL Integration Services, MS SQL Reporting Services, Agile/Scrum, Business Intelligence development studio (BIDS), MySQL, Visual Studio, SQL Prompt, TFS 2012, SAP BODS, Pentaho, DB2, SQUISH, JIRA, GIT, Power BI, Tableau, RPA, SPSS, Guidewire Claim Center 7.0.3.13, MS Excel, and Windows 2007/10

***Deloitte & Touché LLP - Harrisburg, PA. January 2014 – October 2014***

***Senior SQL Server & BI Developer***

***Client: State of Connecticut***

* Worked on access Health CT (CTHIX) Project; health care data used to satisfy data compliance requirements related to claims, providers, recipient’s healthcare data, program type, sub program type, member age groups, and premium amounts.
* Identified and defined multiple Datasets to generate sub reports based on main parameterized report.
* Used matrix to group based on row and column to find appropriate values including total members in a program, sub program, age group, gender, and others.
* Generated matrix reports, sub reports and complex reports with multi value parameters using SSRS.
* Developed complex queries to generate various Drill-through reports, parameterized reports, sub-reports, and linked reports using SSRS and integrated into the front end.
* Wrote parameterized queries to generate tabular reports, format report layout, sub reports using global variables, expressions, functions, sorting the data, defining data source and subtotals for reports using SSRS.
* Developed High level dashboards using SSRS.
* Created interactive reports with SSRS, using report parameters, query parameters, filters, and expressions.
* Designed and developed various Service Management Reports, utilizing Dynamic and Cascading Prompts, fund Reports, sub-reports, charts, Pie charts, conditional and dynamic reports using SSRS 2012.
* Generated drill down reports by passing parameters from top level to sub levels.
* Involved with query optimization to increase the performance of the report.
* Uploaded reports on to the report manager and organized them in folders.
* Designed the reports layout for creating tabular and matrix reports.
* Used prompts to generate Parameterized and cascading parameterized reports allowing the user to limit the reports to user selections.
* Experienced in building Crystal Reports of various types like drill-down, crosstab, master-detail reports, linked and unlinked sub-reports.
* Published parameterized and cascading parameterized reports as PDF, Excel, and CSV.
* Deployed the generated reports on to server by configuring Report Service Configuration Manager.
* Established credentials to access or deploy reports and gave roles, user access with respect to security in Report Manager.
* Scheduled reports for daily, weekly, monthly reports for executives, Business analyst and customer representatives for various categories and regions based on business needs using SSRS.

***Environment:*** MS SQL Server 2012, MS SQL Reporting Services, Business Intelligence Development studio (BIDS), Report Builder 3.0, DB2, MS Excel and Windows 2007, TFS 2010, Tortoise SVN, Agile/Scrum

***Intel Corporation - Santa Clara, CA June 2013– December 2013***

***SQL Server Developer***

* Retrieved data from different sources to Data mart and built packages.
* Extensively worked on stored procedures, views, joins, tables, triggers, cursors, indexes, CTE, temp tables, table-valued, and scalar functions on various databases’ critical data involving demand forecasting, profit and loss, and net revenue.
* Worked on creating dynamic queries to update/validate table values in multiple databases and servers.
* Worked on performance tuning, query optimization, and database consistency checks using DBCC utilities.
* Used profilers and index tuning wizards for performance improvement of data issues.
* Used Date functions, String functions and Database functions to manipulate and format source data.
* Worked on Table Partitioning to load current and historical data.
* Reduced the T-SQL overhead by avoiding unnecessary use of UNION, \*, Top, Distinct and <> statements.
* Configured SQL Server’s Optimal Settings (Locking and Memory) according to usage of its tables, # of users and hardware.
* Enhanced performance using optimization techniques like normalization, indexing, and monitoring logs to ensure the completeness of batch and scripts and processes.
* Worked on procedures involving automatic sending of emails to Application teams regarding RDMS build notifications when release is done weekly.
* Worked on Extraction, Transforming and Loading (ETL) data flows using SSIS; creating mappings/workflows to extract data from SQL Server and Flat File sources and load into various Business Entities.
* Developed Slowly Changing Dimensions (SCD) Packages using SSIS (ETL) to perform the Incremental/ Historical load logic data from Source to Staging Environment and into Enterprise Data Warehouse (EDW).
* Experience in Error Handling using TRY and CATCH blocks and performance-tuning using counters in SSIS.
* Developed SSIS packages used for each loop in Control Flow to process all excel files within folder, File System Task to move files into Archive after processing and Execute SQL task to insert transaction log data into the SQL table.
* Created SSIS packages for File Transfer from one location to the other using FTP task.
* Involved in complete SSIS life cycle in creating SSIS packages, building, deploying, and executing the packages in both the environments (Development and Production) and schedule them to run on routine basis and monitor the error log for any errors.

***Environment:*** MS SQL Server 2012, MS SQL Server Integration Services 2012, BIDS, T-SQL, Windows 2008 Server, VB .Net, Asp .Net

***Porvus Tech Solutions - Hyderabad, India May 2011 – November 2011***

***SQL Server Developer***

* Involved in writing T-SQL programming for implementing Stored Procedures and Functions for different tasks.
* Created databases, tables, cluster/non-cluster index, unique/check constraints views, stored procedures, triggers, and rules.
* Optimized the performance of queries by modifying the existing index system and rebuilding indexes.
* Wrote complex queries, triggers and stored procedures, views, and user defined functions.
* Design and implement database logical and physical schemas.
* Responsible for database tuning using normalization and application tuning.
* Maintenance of development, system test, assemble test and integration servers and databases.
* Query tuning, Index Tuning and performance tuning.
* Creation and maintenance of databases, objects, users, and user group.
* Extensively used Enterprise Manager, Query Analyzer, and SQL Server Profiler.
* Created custom and standard reports using Crystal Reports.
* Created and modified stored procedures to Create Reports.

***Environment:*** SQL Server 2008 Enterprise Edition, MS PowerPoint, MS Access 2000, and Windows 2K platform