**Venkata Karuturi**

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**PROFESSIONAL SUMMARY**

* Overall 10+ years of Real-time experience in **IT Industry (Data Warehouse, Business Intelligence and Databases)** with extensive knowledge in **Developing, Designing, and implementing using MICROSOFT BUSINESS INTELLIGENCE suite products.**
* Expertise in all phases of the **Software Development Life Cycle (SDLC)** including analysis, Physical and Logical design, code development, testing, implementation and maintenance of Business applications with Dimensional Data Warehouse/Data Marts
* Excellent experience in Data Analysis, Data Cleansing, Data Verification using complex SQL query.
* Generated context filters and data source filters while handling large volume of data using **Power BI**.
* Involved in creating Filters, quick filters, table calculations, calculated measures and parameters in **Power BI**.
* Hands on experience with **MSBI (SSIS)** to extract, transform and load data into database.
* Experience in Data Analysis, Data Cleansing, Transformation, Integration, Data Import, and Data Export using ETL tools SSIS.
* Expert in creating different visualizations using Slicers, Lines, Pies, Histograms, Maps, Scatter, Bullets, Heat Maps, Tree maps, etc. using **Power BI.**
* Proficient knowledge of Data Warehousing methodologies and concepts, including star schemas, snowflakes schemas, ETL processes, dimensional modeling and reporting tools.
* Experienced in all facets of **Software Development Life Cycle** (Analysis, Design, Development, Testing and maintenance) using Waterfall and Agile methodologies.
* Hands on experience in utilizing **DAX** functions which includes Aggregation, Counting, Logical, information, Text and date functions.
* Extensive experiences in developing Stored Procedures, Views, Triggers and Complex Queries, **T-SQL**- Programming, query optimization and performance tuning on SQL Server.
* Data analytics and engineering in multiple **Azure** platforms such as **Azure SQL**, **Azure SQL Data warehouse**, **Azure Data Factory**, **Azure Storage** Account etc. for source stream extraction, cleansing, consumption and publishing across multiple user bases.
* Experience in creating **SSAS** tabular model by adding tables to the model and creating relationships between tables and deploying them to **Azure SQL Analysis Services.**
* Integrated Custom Visuals based on business requirements using **Power BI desktop**.
* Experience in designing reports using **SSIS packages as data sources** and reports that can **execute DDL or DML commands**, configuring and maintaining **Report Manager** and **Report Server.**
* Created reports across the channels (Sub Reports Drill-down, dynamic grouping, Master/Detail, Crosstab, graphical, aging reports etc.).
* Experience in Developing ETL Packages using **SSIS**.
* Strong experience in using **Excel** and **MS Access** to dump the data and analyze based on business needs.
* Adeptness to organize information, communicate and present research findings in a clear and useful manner.
* Proactive team player with capability of handling responsibilities independently as well as in a team environment and displayed strong analytical, problem-solving skills and document function/process flows.
* Good communication skills inter personal skills and proven ability to perform both as an individual and as a team player.
* Having ability to work closely with the team to ensure the timely delivery of business requirements.

**TECHNICAL SKILLS**

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| **Reporting Tools** | Power BI Desktop (2.68), Power BI Service, Power BI Gateway, Power BI Report Server, Tableau Desktop 8.0/9.3 Tableau Server, OBIEE, OAC, SQL server reporting services (SSRS), SQL Server Analysis Services (SSAS), |
| **ETL Tools** | SQL Server Integration Services (SSIS). |
| **Database Tools** | SQL Server Management Studio, Business Intelligence Development Studio, MS Visual Studio 2005/2008, SQL Agents |
| **Modeling & IDE** | MS Visio, BIDS / SSDT-BI, SSMS,Power Pivot, Power View, TOAD & SQL Developer |
| **Operating System** | Windows, UNIX |
| **Languages** | C, C++, SQL, PL/SQL, T-SQL |
| **Others** | TOAD, Oracle SQL developer, MS Office, FTP, Control-M, Teradata View Point, Teradata SQL Assistant, Rally, JIRA, GitHub, JSON |

**PROFESSIONAL EXPERIENCE**

**Client: UPS (United Parcel Service) Parsippany, NJ Jan’2023 – Present**

**Role: SSIS/ Power BI Developer**

**Responsibilities:**

* Collaborated with the project team to outline project requirements in JRD meetings.
* Developed data reconciliation SQL queries to validate the overall data migration.
* Formulated **DAX** Expressions create Date to yearly columns and implemented partitions in Tabular Models for **Power BI**.
* Used recently introduced Power BI to create self-service BI capabilities and use tabular models.
* Wrote DAX expressions to create new measures, calculations per business requirements.
* Effectively used data blending, filters, actions, and hierarchies feature in Power BI.
* Analyzed the data using Statistical features in Power BI to develop trend analysis.
* Published the developed dashboard, reports on the Power BI Services so that the end-users can view the data.
* Successfully integrated custom visuals based on business requirements in Power BI desktop.
* Participated in the configuration of an on-premises Power BI gateway to refresh datasets of Power BI reports and dashboards.
* Created complicated reports such as parameter-based reports, graphical reports, excel reports, drill-down chart and tabular reports using SSRS.
* Created different data visualizations using Lines, Pies, Histograms, Maps, Scatter, and Bullets using **Power BI**.
* Administrated and scheduled data-driven mailing subscriptions on **SSRS Reporting Server**.
* Delivered reports with subscription functions in SSRS.
* Generated and scheduled on-demand reports for business analyses and management decisions with SSRS.

**Environment:** MS SQL Server, SSRS, SQL Server reporting services, MS SQL Server 2016T-SQL, DAX, SQL Server, Power BI Desktop, MDX, Microsoft Visual Studio 2014, Excel, Azure, SSMS.

**Client: Exelon Corporation, Chicago – IL Mar’2020 to May’2022**

**Role: Power BI Developer**

**Responsibilities:**

* Coordinating with business users in analyzing business requirements and translating them to technical specifications.
* Developed dashboards and ad-hoc reports using **MS Power BI** and SSRS for senior management team for analysis.
* 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.
* Created complex SQL stored procedures, Triggers, Functions, Views, Indexes in SQL Server 2016.
* Built MDX queries and **Data Mining Expression (DMX)** queries for Analysis Services & Reporting services.
* Design data model and creating the schema on **Azure SQL.**
* Good grasp of database concepts, structures, storage theories, practices, or principles.
* Hands on expertise in SQL reporting, development, analytics, or BI.
* Relevant experience in processing flowcharts or data flow diagrams.
* Used various sources to pull data into Power BI such as SQL Server, **SAP BW**, Oracle, SQL Azure etc.
* Created various views in Tableau like Tree maps, Heat Maps, Scatter plots, Geographic maps, Line chart and Pie charts.
* Designed and implemented **SSAS** Tabular Cube as the reporting layer. And Used DAX scripting to access data from Tabular Model.
* Created many complex Query's and used them in Power BI Reports directly to generate reports on the fly.
* Incorporated complex business logics by writing complex SQL procedures and functions.
* Implemented **OLAP Cubes**, Facts, and Dimensions for providing summarized and aggregate views of large database sets.
* Extracted data from Oracle, **SQL Server**, Flat Files, Excel and XML using SSIS and cleanse the data.
* Scheduled and maintained nightly and weekly loads of data by creating the corresponding job tasks.
* Checking the code into TFS (Store Procedures, Views, Tables, Schema) for the deployment process for the production environment.
* Published Power BI Reports in the required originations and Made Power BI Dashboards available in Web clients and mobile apps.
* Involved in validating data between Qlik Sense and Cognos reports.
* Wrote **T-SQL** (DDL and DML) queries, Store Procedures and used them to build packages and handled slowly changing dimensions to maintain the history of the data.
* Created parallel period, filter, ancestors, and cross join MDX queries.
* Created KPI's, Partitions, Perspectives, and Calculated Measures, used DAX queries, Roles.
* Implement the **SAP** Business Objects reporting requirement.
* Responsible for deploying the application for the Integration, Functional and User Acceptance Testing.
* Adheres to department, organization and industry guidelines, standards, policies and procedures.
* 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.
* Used **JIRA** for Version Control needs, task check-ins.
* Excellent problem-solving approach, analytics skills, T-SQL coding commands.
* Responsible for complete maintenance and delivery of scheduled releases.
* Good knowledge of data warehouse and **ETL** (Extraction, Transformation, and Loading) concepts.

**Environment:** MS Power BI, SSRS, SQL Server 2016, Microsoft Visual Studio 2014, Excel, Azure Data Mining Expression (DMX), Azure SQL, SQL Server, SSAS Tabular Cube, JIRA, T-SQL coding commands

**Client: Barrick Gold Corporation, Toronto, Canada Feb’ 2018 – Dec’2020**

**Role: SQL (SSIS/SSAS)/Power BI Developer**

**Responsibilities:**

* Created and wrote database objects such as tables, indexes, views, procedures, functions, triggers, **T-SQL** code with proper grants to all the users and roles.
* Implemented Error Handling and Logging in SQL Server Integration Services (**SSIS**).
* Migrated all DTS packages to **SQL** Server Integration Services (**SSIS**) and modified the package as per the advanced feature of SQL Server Integration Services.
* Created **SSIS** package to load data from Flat File to Flat File and Flat File to SQL Server using Lookup, Derived Columns, Condition Split, Aggregate, and Pivot Transformation.
* Developed, deployed and monitored **SSIS** Packages using visual studio.
* Used containers, Execute SQL task, Execute package task, Script task etc. for transformation of data in the SQL Server Integration Services packages.
* Designed dimensions and hierarchies in **SSAS** tabular models based on star schema from Data warehouse.
* Developed Tabular Models using **SQL Analysis Services** (**SSAS**).
* Built cubes and tabular models for production application, Partitioned Cubes to decrease the processing time and increase the performance of the queries running on front end application using **Azure** **SSAS**.
* Assisted in production Tabular Models wrote queries to produce reports using **Azure SQL Server Analysis Services** **(SSAS)** and **Power BI**.
* Published **Power BI** reports from **Power BI desktop** to **Power BI service**.
* Used **Power BI** and embedded **Power BI** reports into ASP.Net applications.
* Created, Maintained & scheduled various reports in **Power BI**.
* Responsible for creating SQL datasets for **Power BI** and Ad-hoc Reports.
* Creating stored procedures and some complex queries to embed this in **SSRS** reports.
* Responsible for all the client deliverables.

**Environment:** SQL Server 2008/2014/2016, T-SQL, Reporting Services (SSRS), Integration Services (SSIS), Analysis Service (SSAS), BI Tool Kit, SQL Profiler.

**Client: Walmart Inc, Bentonville, AR Nov’2016 – Jul’ 2018**

**Role: MSBI Developer**

**Responsibilities:**

* Collected all the required specifications of input data.
* Analyzing and understanding the Excel Data, Flat file Data and Creating **SSIS** Packages accordingly to dump the data into **SQL Database.**
* Involved in extracting data for cleansing activity from **SQL** source then transformed and loaded into Data Warehouse Targets using SSIS.
* Extensively working in Data Extraction Transformation and loading from source to target system using SQL Server 2008 Integration Services.
* Executing some different packages using execute package task in control flow tasks like data flow task execute SQL task, Bulk insert task, File system task etc. in SQL Server Integration Services.
* Created event handlers per the package using event handler tab.
* Used transformations like Derived Column, Conditional Split, Aggregate, Lookup, sort, Data Conversion to load data into Data Warehouse.
* Used stored procedures to load the data into data warehouse through Staging **DB's**.
* Configuration, Logging and Auditing.
* Created and managed schema objects such as tables, views, clusters, indexes, procedures, and maintained referential integrity.
* Used various report items like tables, matrix and list to develop the reports in **SSRS**.
* Developed and Designed Complex Reports using Groupings, Expressions, Conditions and Generate the Drill Through, Tabular, Drill Down, and Sub Reports in SSRS.

**Environment:** SQL Server 2005/2008, T-SQL, Data Transformation Services (DTS), Advanced Reporting Services (SSRS), Integration Services (SSIS), BCP, SQL Profiler.

**Client: GE Health Care, Chicago - IL                       Oct’ 2014 – Oct’2016**

**Role:  MS SQL Server /SSIS / SSRS Developer**

**Responsibilities:**

* Participated with business analysts in order to gather requirements for design and implementation of database.
* Worked on extracting, transforming and loading data using **SSIS Import/Export Wizard**.
* Created **SSIS** Packages to integrate data coming from Text files and Excel files.
* Implemented various tasks and transformations for data cleansing and performance tuning of packages by using SSIS
* Responsible for implementation of data viewers, SSIS Logging, error configurations for error handling the packages.
* Created local variables and global variables package configurations and error handling.
* Designed parameterized reports and ad-hoc reports using Report builder for the brokers and clients.
* Responsible for designing, creating and deploying the reports into the production server.
* Created complex store procedure to copy Database Objects from remote server to local machine and vice versa.
* Identified slow running query and optimization of stored procedures and tested applications for performance, data integrity using **SQL Profiler**.
* Responsible for ongoing maintenance and change management to existing reports and optimize report performance **(SSRS)**.
* Created complex Stored Procedures, Functions, Indexes, Tables, Views, SQL joins and other **T-SQL** code to implement business rules.
* Designed index, statistics and optimized queries by using execution plan for performance tuning of the database.

**Environment:** SQL Server 2005, SSRS, SSIS, MS Access, MS Excel, BCP, T-SQL, Query analyzer, Visual studio, SVN, Business Objects, Microsoft SQL.

**Client: WinCo Foods Inc., Lodi-NJ Feb’ 2013 – Sep’ 2014**

**Role: SQL Server Developer**

**Responsibilities:**

* Installation of **SQL** Server on Development and Production Servers, setting up databases, users, roles and permissions.
* Responsible for all technical SQL Server database operations, Administration, ongoing development for various in-house databases.
* Designed and Developed Database Objects like Tables, Stored Procedures, Triggers, Rules, Defaults, user defined data types, dynamic scripts and functions for this project.
* Created Indexes to get the high-level performance.
* Performing the **ETL** operations to support the data loads and transformations using **SSIS**.
* Maintained databases, performed software installations and upgrades, monitored Database Performance.
* Implemented automated backup and database maintenance / cleanup jobs.
* Managing Logins, Users, Roles and User permissions.
* Running Trace from the Profiler to trouble shoot database and running **DBCC** consistency checks for other database maintenance aspects.
* Created and scheduled jobs for various tasks and was responsible for maintaining jobs.
* Created data-related documentation (e.g., file descriptions and definitions, entity relationships and attributes, etc.).

**Environment:** MS SQL Server 2005/2008, Excel, Access, SQL Server Management Studio (SSMS), Business Intelligence Development Studio (BIDS), Windows 2003 Server, Windows XP, SQL Profiler, Visual Studio 2005/2008, Database Engine Tuning Advisor.

**EDUCATION**

* **Bachelor of Engineering (CSE):** Anna University - 2010, Chennai India