**Priyadarshini**

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**PROFILE SUMMARY**

* Over 5 years of extensive experience as Data Engineer in conceptual/logical data modeling skills and with JAD sessions for requirements gathering, creating data mapping documents/writing functional specifications.
* Proficient in applying SLDC software development process to establish a business analysis methodology.
* Extensive experience with different phases of project (project initiation, project requirement and specification gathering, designing system, coding, testing, and debugging existing client-server-based applications).
* Knowledge of conducting data flow modeling and object modeling, case analysis and functional decomposition analysis.
* Extensive knowledge of utilizing all types of SQL Server Constraints, SQL Server Database design and maintenance principles, developing Transact- SQL queries, stored procedures, and triggers.
* Experience in manipulating data for data loads, extracts, statistical analysis and modeling.
* Merit of building the ETL architecture and source to target mapping to load data into data warehouse.
* Successfully created dashboards, score cards/ KPIs and types of properties such as chart controls, filters, and actions utilizing Power and SSRS.
* Focused professional with exceptional interpersonal, communication and analytical skills.

**TECHNICAL FORTE**

* **Database:** SQL Server
* **SDLC:** Agile, Scrum, Waterfall, and Spiral
* **Data Modeling:** ER-win, MS Visio
* **Database Programming:** T-SQL, Dynamic SQL, MDX, DAX
* **Development Tools:** BIDS, SSDT, SSMS
* **Integration Tool:** SSIS
* **Analysis Services:** SSAS, OLAP Cubes, Tabular Model
* **Reporting Tools:** SSRS, Tableau Desktop, Power BI, Excel Power BI
* **Source Control & Collaboration Tool:** Team Foundation Server (TFS), SharePoint

**ORGANIZATIONAL EXPERIENCE**

**AMC Health, New York City, NY September 2021 - Present**

**Data Engineer**

* Worked along with project managers to gather requirements for the data synchronization task, such as data scope, data mapping.
* Integrated data from ongoing workflows, created new business processes to acquire more visibility into the organization and automated existing efforts for dynamic automated reports using the Power Platform.
* Analyzed data lineage processes to identify vulnerable data points, control gaps, data quality issues, and overall lack of data governance.
* Created and maintained documentation for all the data models developed, listing all existing entities, relationships, measures and business logics for the data flows.
* Facilitated data collection sessions and analyzed data processes, scenarios, and information flow.
* Resolved multiple data governance issues to support data consistency at the enterprise level.
* Worked on data profiling & data validation to ensure the accuracy of the data between warehouse & source systems.
* Developed data mapping, data governance, transformation and cleansing rules for the Master Data Management Architecture involving OLTP and OLAP.
* Created dynamic SQL script to transfer data from multitude tables between databases.
* Worked with database objects like stored procedures, user defined functions, triggers and indexes using T-SQL to create complex scripts and batches.
* Used error handing techniques like try catch and error functions to create robust T-SQL code.
* Utilized dynamic SQL for user customizable queries to be answered by the OLTP Server.
* Identify and write best possible code in case of new deployments or when rewriting code when migrating to newer version of SQL Server.
* Created technical design & strategy for ETL, data warehouse design, reporting, requirement specifications, business rules, data mapping, key decisions and metadata management.
* Scripted new measures and calculated tables in Power BI desktop utilizing DAX.

**Tools & Environment:** SQL Server, T-SQL, SQL, ETL, SQL Profiler, Erwin, SSMS, SSDT, Excel, DAX, Power BI, Power BI Desktop, TFS.

**Waldron Private Wealth, Bridgeville, PA December 2019 – August 2021**

**SQL Data Engineer**

* Worked along with Team lead and Scrum master to gather system specification requirements for the ETL tasks, such as file specification, mapping document.
* Identified the dimensions along with the measures and fact on the top of OLTP source.
* Identified / documented data sources and transformation rules required to populate and maintain data warehouse content.
* Performed performance tuning session for database table and column data type, altered column to proper data types and constraints for tables to ensure database integrity and consistency.
* Utilized dynamic SQL, procedures, views and database triggers.
* Implemented SQL tuning advisor for monitoring queries to work efficiently on high volume scenarios.
* Scripted T-SQL queries, ranking functions, derived tables, common table expressions (CTEs), stored procedures, views, and user-defined functions (UDF), constraints & database triggers.
* Transformed stored procedures with SQL profiler to refine report latency and increase delivery access.
* Developed and implemented data cleansing, data security, data profiling and data monitoring processes.
* Determined data ownership, resolved data conflict, and aligned enterprise data with an emphasis on maturing data governance practices, improving data integrity, and reducing operational risk due to data quality issues.
* Worked closely with the Enterprise Data Warehouse team and Business Intelligence Architecture team to understand repository objects that support the business requirement and process.
* Led and improvised existing Enterprise Data Warehouse.
* Designed and optimized dynamic SQL batches to perform bulk operations in the OLAP environment.
* Improved the execution performance of stored procedures by recompiling them and utilizing efficient SQL logics.
* Utilized recently introduced Power BI to create self-service BI capabilities and used tabular models.

**Tools & Environment:** SQL Server, SSDT, T-SQL, SQL Profiler, Erwin, SSMS, SSDT, DAX, Power BI, TFS.

**Watson Insurance Agency, Gastonia, NC April 2017 – November 2019**

**BI Data Engineer**

* Worked along with project managers to gather system specification requirements for the project via HLD sessions.
* Responsible for analyzing data from client extracts and identifying data quality issues.
* Gathered the various reporting requirement from the business analysts.
* Designed new data mart from existing data warehouse utilizing top down approach.
* Gathered requirements & modeled the data warehouse and the underlying transactional database.
* Analyzed data, discerning relationships / correlations amongst disparate data, and turning unstructured data into structured to fit into the client's data system data model.
* Performed quality testing of converted data, identifying root cause of issues and designing / documenting proposed solutions.
* Identify various data sources, construct data decomposition diagrams and provided data flow diagrams
* Outlined multiple constraints in logical phase of the data modeling life cycle; optimized existing SQL queries and stored procedures with better logics and execution plans
* Monitored and resolved deadlocks in SQL Server databases with locks, isolation levels, and SQL Profiler.
* Performed root cause analysis on failures and resolved performance tuning related issues on queries with SQL profiler and DTA.
* Developed code with respect to security vulnerabilities such as SQL injections.
* Created interactive dashboards using parameters, actions and various data visualizations using Power BI.

**Tools & Environment:** SQL Server 2016, SSDT, T-SQL, SQL Profiler, Erwin, SSMS, SSDT, Power BI, TFS.

**EDUCATION**

* B.Tech. in ECE from JNTU, India.