**JILLA MANIKYAM**

**Summary:**

* **8 years** of experience in IT with Database applications and **Business Intelligence** Design & development, and Data Analysis in Production, Development, Testing and Staging Environments.
* Expertise in MS SQL Server 2016/2014, **MSBI** products like SQL Server Integration Services (**SSIS**), SQL Server Reporting Services (**SSRS**) and SQL Server Analysis services (**SSAS**).
* Experience in Data Extraction, Transforming and Loading **(ETL)** from multiple sources like Excel, MS Access, **XML,** Oracle and DB2 to MS SQL Server using SQL Server Integration Services (**SSIS**).
* Experience in designing, developing, **deploying,** and scheduling **ETL** solutions using SQL Server **SSIS** packages involving various **control flow** items like Loops, **Bulk Inserts**, Incremental Loads, **FTP and Emails Alerts.**
* Experience in providing Logging, **Error handling** by using **Event Handler**.
* Excellent technical and analytical skills with clear understanding of design goals of **ER modeling** for **OLTP** and dimension modeling for **OLAP.**
* Skilled in developing **SSAS Cubes**, Dimensions, Facts and data source views, SSAS-Data Mining Models and **Deploying,** Processing SSAS objects, and creating **named calculations and named queries.**
* Good experience with SSRS through **deploying reports**, creating report **schedules** and subscriptions, managing and securing reports.
* Experience of ETL tools, data conversion and migration of large scale data between systems
* Developed **Power BI** reports from multiple data Sources.
* Created User Stories, Tasks in **Azure DevOps.**
* Experienced in **Azure Data Factory, Azure Data Lake, Azure Data Flow, Azure Blob Storage**.
* Experienced in **GIT for version** control and **Azure DevOps.**
* Experienced in **CI/CD Integration** with Azure Git Repo.
* Experienced **Data Migration Azure ADLS to Snowflake using Azure ADF.**
* Writing Scripting for interacting Internal server with **Azure Cloud Storage** for migrating the data.
* Utilized **Power BI with filters**, calculated columns and measures using **complex DAX calculations** and transformations using Query Editor & **Power Query Formula Language (M).**
* Used DAX within his Power BI dashboards to create certain columns he needed based on requirements. (Measures, columns, relationships).
* Experienced **Data Migration Azure ADLS to Snowflake using Azure ADF.**
* Involved in creating notebooks for moving data from raw to stage and then to curated zones **using Azure data bricks.**
* Extensive experience in implementing **Microsoft Bi/Azure BI** solutions like **Azure Data Factory, Power BI, Azure Databricks, Kibana, Grafana.**
* Expert in implementing various business rules for Data Extraction, Transformation and loading between **Homogeneous and Heterogeneous Systems using Azure Data Factory and SQL Server Integration Services(SSIS).**
* Skilled in SQL Server Reporting Services (SSRS 2014/2012) in generating complex reports in **cascaded** reports, **parameterized** reports, and **Ad-Hoc** reports.
* Used various Data Visualizations tools like **Kibana,Grafana.**
* Utilized **Power BI (Power View)** to create various analytical dashboards that depicts critical KPIs such as legal case matter, billing hours and case proceedings along with slicers and dicers enabling end-user to make filters.
* Experience in creating Databases, Tables, **Stored Procedures**, **DDL/DMLTriggers**, Views, User defined data types and functions **(UDF’s),** Cursors and Indexes using **T-SQL**.
* Expertise in SQL Server and T-SQL (**DDL** and **DML**) in constructing Tables, Indexes, Stored procedures, Views, Normalization techniques on database Tables.
* Expertise in creating/modifying Tables, Views, Stored Procedures, User Defined Functions **(UDFs),** Common Table Expressions **(CTEs),** Joins, Indexes, Triggers and Cursors scripting in **T-SQL**.
* Expertise in writing **Sub-Queries** and Joins to simplify complex queries involving multiple tables and established relationships between tables using **Primary Key** and **Foreign Key** Constraints.
* Expertise in creating, scheduling, monitoring, maintaining old and new **SQL** jobs, using **SQL** Server Job Agent.
* Expertise in defining the business **process flow** and gathering **business requirements.**
* Experience working in **Agile** and **Waterfall** methodologies in **SDLC**
* Hands on Experience in installing, configuring, managing, **monitoring** and **troubleshooting** SQL Server 2016/2014.
* Good **team player** and communication skills combined with **self-motivation, initiative** and the ability to think outside the box.

**Technical SKILLS:**

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| --- | --- |
| **Databases** | MS SQL server 2016/2014/2012, My SQL |
| **Programming Languages** | SQL, PL/SQL |
| **Cloud Platforms** | Azure, Azure Data Factory, Snowflake, AWS |
| **ETL Tools** | BIDS/SSDT, SSIS, SSAS, SSRS. |
| **OLAP/Reporting Tools** | MS SQL Server Reporting Services 2014/2012/2008R2, SSRS, MS Excel, Tableau, Power BI, Kibana,Grafana |
| **SQL Server Tools** | SSMS, Query Analyzer, SQL server profiler, SQL Server Agent. |
| **Data Modeling Tools** | Erwin tool, Visual Studio 2010, Microsoft Visio, Business Intelligence Development Studio (BIDS). |
| **Other Tools** | MS Office, MS Excel, MS Project, MS PowerPoint and MS Vision, GIT Lab, Jenkins, Putty, SharePoint |
| **Operating Systems** | Windows 10/8/7/XP/Vista, MS-DOS, UNIX, LINUX. |
| **Web Development** | HTML, XML, Microsoft.NET framework, Visual Studio. |

**Professional Experience**

**Virginia Department of Health –VA, USA Nov 2022 – Till Date**

**BI/Power BI DEVELOPER**

**Responsibilities:**

* Responsible for all functions associated with the design, implementation and maintenance of SQL Server databases including security, back-up, logging, reporting and recovery procedures.
* Published reports through SSRS and PowerBI with visualizations like bar charts, pie chars, clustered column charts etc.
* Created interactive dashboards using PowerBI by connecting both On-premises and cloud environments like Azure and Snowflake as source and used Stack and Map Visuals.
* Manages the SQL server transactional database that collects data from our network of users.
* Skilled in T-SQL, including Merge Join, Except, Dynamic SQL, Linked servers, DDL and DML.
* Used SSIS control flow such as using execute SQL task, File system task, control flow, containers and execute packages to create, modify and update monthly ETL processes.
* Worked on **SSRS** to generate formatted production reports, including drill through, drill down and parameterized reports, and familiar with Dynamic report, snapshot and subscription.
* Ensure the Servers are functioning optimally and manage all technical aspects of the databases and processes.
* Used various Data Visualizations with PowerBI and published reports to PowerBI Services.
* Perform all SDLC phases related to extract, transform, and load (**ETL**) processes using SQL Server Integration Services (**SSIS**) and SQL Server T-SQL stored procedures within SQL Server 2014 environment. Experience in using SSIS tools like import and export wizard, package installation and SSIS package designer.
* Responsible for designing and managing project specific **ETL** codes using SSIS and SQL Server fetching data across various source systems into Client specific Enterprise Data Warehouse.
* Worked on migration project form Mainframe to Azure through SSMA.
* Developed, maintained, and monitored PostgreSQL databases using Pgadmin tool.
* Worked on Table partitioning, index, triggers, and tablespaces in PostgreSQL
* Deploying environments/applications fixes, patches, improvements.
* Assist in maintaining and improving database operational efficiency Perform daily, weekly, and monthly data maintenance tasks.
* Assist in client support and setup configurations.
* Experience in On-premises servers to Data Centre **Migration** project.
* Good experience in Data Centre Migration Strategies.
* Experience in Migration of MySQL databases to MS SQL Server.
* Participates in defining data requirements and designs of databases
* Participates in design reviews and assists with platform selection and allocation of functionality to specific system components.
* Used various Data Visualizations with tools like **Kibana, Grafana.**
* Experienced in Azure Data Factory, Azure Data Lake, Azure Data Flow, Azure Blob Storage.
* Experienced in GIT for version control and Azure DevOps.
* Experienced in CI/CD Integration with Azure Git Repo.
* Experienced Data Migration Azure ADLS to Snowflake using Azure ADF.
* Participates in developing security and monitoring for data architecture.
* Participates in developing reporting and data analysis architecture
* Participates in data migration and integration activities.
* Worked on Azure Blob storage for FTP data transfers to vendors.
* Worked with the SharePoint Administrators in Deployment and Troubleshooting **SSIS** Packages and **SSRS** Data Sets, Reports and Meta Data.
* Involved in performance tuning of **SQL queries and Stored Procedures**.
* Installed and Configured **SQL Server 2012, 2016 in SharePoint mode**.
* Assist in developing data models, implementing databases, and conducts database operations such as writing stored procedures and triggers, **PowerShell scripts.**
* Analyzes content and quality of databases, recommend data management procedures, and develops extraction processes.
* Works on project teams to develop target logical and physical data models.
* Participates in development, testing and optimization of database applications.
* Involved in multiple projects simultaneously, potentially across multiple business units.

**Environment: MS SQL Server, T-SQL, Oracle, MySQL, SSMA, Visual Studio, Data Warehouse, ETL, PowerBI, Tableau, Database tuning advisor, SSIS, SSRS, Kibana, Grafana, SQL Agent, SQL Configuration Manager, Transition Manager, Databricks, Azure SQL Database, ADF, ADLA, Power BI, DAX**

**Anthem – VA, USA Nov 2021 – Oct 2022**

**SR BI DEVELOPER**

**Responsibilities:**

* Met with business users, gathered business requirements and prepared the documentation for requirement analysis.
* Provided training to the business users on how to use new data warehouse, browsing cubes from Excel and assisted them in rewriting their existing queries to point to the new warehouse.
* Created centralized data warehouse **(ODS)** and developed de-normalized structures based on the requirements and to improve the query performance for end users.
* Created **ETL design** specifications, performed unit testing, data validations, integration testing and UAT and deployed **SSIS packages** to development and test environments.
* Used Microsoft Power BI Power 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 and Designed a Multi-Dimensional Analysis (Configured OLAP Cubes, Dimensions, Measures, **MDX Queries**, Data mining, Data Source and Data Source Views and Star schema) using **SQLServer** Analysis Services (**SSAS**).
* Worked with **SSAS tabular** model (**BISM**) and created dashboards and reports using **power view**, power pivot and **SSRS**.
* Deploy, Configure, Maintain Compute on Azure Cloud.
* Handled database server tuning, application tuning, maintaining documentation, capacity planning and database security.
* Used **data quality services (DQS)** to cleanse the data, remove duplicates and improve the quality. Created domains in DQS and exported the activity results into SQL tables.
* Sets expectations around data conversion with client team (especially around expectations the CDAT Delivery team has of the Client Delivery team and vice versa)
* Communicate effectively with management during data conversion process
* Strong professional who has experience in leading the data conversion to support an Oracle Federal Financial implementation.
* Used DAX within his Power BI dashboards to create certain columns he needed based on requirements. (Measures, columns, relationships).
* Experienced Data Migration Azure ADLS to Snowflake using Azure ADF.
* Involved in creating the notebooks for moving data from raw to stage and then to curated zones using Azure data bricks.
* Extensive experience in implementing Microsoft Bi/Azure BI solutions like Azure Data Factory, Power BI, Azure Databricks.
* Did debugging using break points and data viewers and performance tuning of ETL data flows.
* Created various **SSIS packages** to populate the data from flat files, Excel and Access into ODS (SQL Server). Performed full loads for current data and incremental uploads for historical data (transaction-based data).
* Created and configured **SSIS packageconfigurations** using SQL server table and environment variables and loaded data from XML, Flat files and SQL Server incrementally.
* Designed and developed **STAR schema** and multidimensional (OLAP) objects. Created cubes and populated the data using **SSIS** packages.
* Configured **OLAP Cubes** (Star Schema) using **SQL Server 2014 Analysis Services**and Performance tuning MDX and dimensions design and scaling to large numbers of users.
* Created calculated columns, KPIs and custom hierarchies to accommodate business requirements and partitioned the cubes to improve the performance and to decrease the processing time.
* Worked with **T-SQL** to create tables, stored procedures and user defined functions for complex business logic.
* Created and maintained databases, tables, views, users, logins, indexes, check constraints, and business rules using **T-SQL.**
* Designed **SSAS tabular** models and created dashboards and reports using **power view** and deployed them in Share point server.
* Developed various types of reports drill down, drill through, matrix and sub reports using **SSRS.**
* Created multiple dashboards with calculations and KPIs using Tableau 9.3/10 and deployed them in tableau server
* Used team foundation server for version controlling of all BI projects.

Environment: SQL Server 2016, SSMS, SSIS, SSAS Tabular, SSRS, Power View, Databricks, Azure SQL Database, ADF, ADLA, Power BI, DAX, Power Pivot, MDX, Report Builder 4.0, Team Foundation Server, MS Visio, Outlook, T-SQL, Windows Server 2012, Windows 8.

**T ROWE PRICE - MA, USA Aug 2019 – Nov 2021**

**SR BI DEVELOPER**

**Responsibilities:**

* Involved in Planning, Defining and Designing data base using Erwin on business requirement and provided documentation.
* Installed SQL Server 2014 and Management tools using SQL Server Setup Program and upgraded existing databases from SQL Server 2012.
* Created **SSIS** packages to extract data from **OLTP to OLAP** systems and scheduled Jobs to load the shipping and customer data.
* Create reports in Power BI preview portal utilizing the SSAS Tabular via Analysis connector.
* Designed **SSIS** Packages to transfer data from various sources like Text Files, XML Files, SQL Server, Teradata, Excel and Oracle to SQL Server using **Business Intelligence Development Studio (BIDS).**
* Created custom logging and **package configurations** to change connection strings and variables dynamically. Used all types of containers in SSIS.
* Created package deployment utility and deployed packages into various environments. Involved in unit testing, SIT, UAT and data validations.
* Designed, processed and partitioned cubes using **SSAS**.
* Created calculated measures and dimension members using **multi-dimensional expression (MDX),** mathematical formulas, and user-defined functions.
* Writing various **T-SQL queries**, Stored Procedures and used them to build packages.
* Generated Sub-Reports, Drill down reports, Drill through reports and Parameterized reports using **Microsoft SQL Server 2008 reporting services.**
* Created and maintained **SSRS reports** for External Reporting and Internal Activity Based Costing (ABC) for shipments tracking. Outstanding knowledge in creating drill down reports, Graphical reports, ad-hoc reports and drill through reports using the **ROLAP/MOLAP** as sources.
* Designed, Developed and Deployed reports in MS SQL Server environment using **SSRS**.
* Worked in **agile methodology**, participated in daily scrum meetings.

**Environment**: Agile,SQL Server 2014, SSIS, SSAS, SSRS, Share point, Databricks, Azure SQL Database, ADF, ADLA, Power BI, DAX, Oracle, MDX, MS Office 2007, ER Win, T-SQL, Windows Server 2008.

**City Group- TX, USA Jan 2019 – Aug 2019**

**DATA BASE Developer (MSBI)**

**Roles & Responsibilities:**

* Actively participated in the meetings between Business Users and Technical team to gather and discuss the business requirements and convert them into technical/functional requirements.
* Initiated to implement technological solutions in a cost-effective way by determining the requirements of a project and communicating them clearly to the project/product stakeholders, facilitators and partners.
* Designed SSIS Packages to perform the extract, transfer, and load (ETL) operations with existing data into SQL Server through OLTP database from different data sources.
* Worked with SSIS Data flow task, Transformations, For-loop containers and Fuzzy Lookups, Data conversion and configured data in slowly changing dimension.
* Worked with team to Develop and Extend the OLAP Cubes, Dimensions and data source view.
* Designed and implement Data Mart, Facts, Dimensions and OLAP Cubes using dimensional modeling standards in SQL Server 2012 that maintained data.
* Worked in the complete Data Warehouse development life cycle and actively supported business users for change requests during the project development.
* Assisted in production OLAP cubes, wrote queries to produce reports using SQL Server Analysis Services (SSAS) and Reporting service (SSRS).
* Worked with the team in designing, developing, debugging and testing of reports in SQL Server Reporting Services (SSRS).
* Utilized Power BI with filters, calculated columns and measures using complex DAX calculations and transformations using Query Editor & Power Query Formula Language (M).
* Used DAX within his Power BI dashboards to create certain columns he needed based on requirements. (Measures, columns, relationships).
* Created dashboards and custom reports using SQL Reporting Services (SSRS) for customized and ad-hoc Queries.
* Developed several drill down and drill through reports using SSRS as needed by clients.
* Used Joins, sub-queries, Stored Procedures, Indexes, and Views for involving multiple tables from different databases to integrate the data as business requirements
* Used Performance Monitor and SQL Profiler to optimize queries and enhance the performance of database servers.

**Environment:** SQL Server 2014, SSIS, SSAS, SSRS, Power BI, DAX, visual studio, Import/Export tools, SQL Server Agent, MS Access, T-SQL, ERWIN and Windows10.

**Kansas Department- KS, USA May 2016– Dec 2018**

**SQL Developer**

**Responsibilities:**

* Involved in understanding Business requirement document and developing Technical Design specification documents for multiple interfaces.
* Identified various source systems for data feeds.
* Used SSIS to develop jobs for extracting, cleaning, transforming and loading data into data warehouse.
* Designed and developed jobs for loading data to star schema.
* Extracted Data using SSIS from DB2, and flat files, Excel transformations.
* Populate the data warehouse. Worked on SSIS to remove duplicate records with data standardization.
* Created SSIS Package to transfer data from various locations using the FTP task. Then loaded the flat file data into the database.
* Work directly with customers, functional Analysts and integration Analysts to establish conversion approach, complete migration of configuration and to complete the data conversion / load of customer data into Workday.
* Created various Jobs, Alerts and Events, Created Backups for databases and automated the process. Assisted in building dimensional cubes with SQL Server Analysis Services (SSAS) and building multiple calculated members, KPI’s for user perspectives.
* Participates, approves and oversees the data conversion of company data during the project for stakeholders.
* Work cooperatively with the Deployment Specialist to complete data conversion as outlined within the workflow for the customer.
* Worked as a developer in creating complex Stored Procedures, tables, and views and other SQL joins and statements using T-SQL for different applications.
* Managed index and optimized queries using execution plan.
* Created and integrated user defined functions and stored procedures for reporting purposes.
* Involved in the Analysis of the Report Data, Developed and Deployed Reports on to the Reporting Server. Wrote and integrated stored procedures to generate the reports.
* Created Cross-Tab, Drill-down and Sub-Reports using RDL and promoting RDLs to Reporting Services Server.

**Environment**: SQL Server 2012/2008 R2, T-SQL, PL-SQL, SSIS, SSAS, Power Pivot, MS Access, SharePoint server, Windows 8/7.

**EDUCATION:**

Bachelor’s in information technologyin2015 from Jawaharlal Technological University, India.

Master’s in computer information system in 2017 From California University of Management and science.