Swathi Sunki

Database Team lead/Senior SQL BI Developer

Email: [swathisunki@gmail.com](mailto:swathisunki@gmail.com) Mobile No: (330)-430-9797

**Professional Summary:**

* 15 years of IT experience in Data Design and Development on **Microsoft SQL Server 2019/2016/2012**, T-SQL, Performance Tuning, Troubleshooting, **SSIS**, **SSRS, SSAS** and Data-warehousing.
* Extensive experience with T-SQL in database design, creating **tables**, **stored Procedures, Functions, Views and using temp tables, table variables and CTE’s**
* Extensive knowledge of **Normalization/de-normalization** and **Relational Database Management Systems**.
* Good understanding in database and data warehousing concepts **(OLTP & OLAP).**
* Advanced expertize in database migration to **AWS cloud infrastructure.**
* Hands on experience on various SQL Server Services like Integration Services (**SSIS**), Analysis Services (**SSAS**), and Reporting Services (**SSRS**).
* **Experienced** in all phases of **Software Development Life Cycle (SDLC),** starting from business requirement gathering and analysis to testing, deployment.
* Excellent T-SQL development skills to write complex queries involving multiple tables, great ability to develop and maintain stored procedures, triggers, user defined functions.
* Experience in **Performance Tuning and Query Optimization**.
* Experienced in using ETL tools in SSIS, TOAD.
* Experience in Extracting, Transforming and Loading (ETL) data from Excel, Flat file, Oracle to MS SQL Server by using **BCP/bulk insert utility** and SSIS.
* **Data analysis** and **data migration** by transferring them using SSIS packages.
* Experience with **logical and physical data modeling** and database design using **Erwin.**
* Experience in Designing and Building the Dimensions and cubes with **star schema** using SQL Server Analysis Services **(SSAS).**
* Deployed SSAS cubes and processed cubes on daily basis by using SSIS Packages.
* Expert in creating simple and parameterized reports and also complex reports involving Sub Reports, Matrix/Tabular Reports, Charts and Graphs using **SSRS** in **SQL Server Data tools.**
* Experience in writing expressions in SSRS and expert in fine tuning the reports.
* Created many Drill through and Drill Down reports using **SSRS.**
* Experience in optimization tools such as **Index tuning wizard**, **SQL Profiler** and **Windows Performance Monitor** for monitoring and tuning MS SQL Server performance.
* Capable of forming and maintaining **positive and productive working relationships** in internal/external and team environments.

**Technical Skills:**

|  |  |
| --- | --- |
| **Databases Tools** | SQL Server Management Studio, SQL Server Data tools, Business Intelligence Development Studio, SQL Profiler, SQL Server Analysis Service (SSAS) |
| **ETL Tools** | SQL Server Integration Service (SSIS), TOAD |
| **Reporting Tools** | SQL Server Reporting Services (2017/2014/2012), MS Access, MS Excel, Power BI |
| **Database** | MS SQL Server 2019/2016/2014/2012, MS Access, Oracle 11g/9i/8i, DB2 |
| **Programming** | T-SQL, PL-SQL, C# |
| **Operating Systems** | Windows Server |
| **Other Tools** | MS Office Suite (Microsoft Word, Power Point, MS Visio), OLAP & OLTP, ERWIN, Azure Dev Ops, Team Foundation Server, SAS, JIRA, R Studio, AWS |

**Professional Experience:**

**New York City Department of Health and Mental Hygiene, New York**

**Jan’2015 – Current**

**Database Team Lead/ Manager**

New York City DOHMH is the largest public health agencies in the world responsible for public health serving and many more. NYC DOHMH is serving eight million New Yorkers and is one of our nation's oldest public health agencies.

**Responsibilities:**

* Lead the database teams for **Data Governance** and Informatics, Research and Evaluation units.
* Worked on **ECLRS Migration Project** (Electronic Clinical Laboratory Reporting System) to migrate HL7 2.3 data format in to HL7 2.5.1.
* Responsible for designing and building multi-terabyte, full end-to-end Data Warehouse infrastructure from the ground up on Confidential Redshift for large scale data handling Millions of records every day.
* Managed **Master Person Index project**. Worked with multiple data sources for data matching.
* Worked closely with the vendors as part of requirements gathering, development , production deployments and support.
* Migrated on premise database structure to Confidential Redshift data warehouse.
* Extracted **Medicaid Data** from **MDW (Medicaid Data Warehouse)** for multiple projects using **TOAD and SSIS.**
* Responsible for **Query optimization** and **Performance tuning**, tuned SQL queries and Stored Procedures using **Profiler** and **Execution Plan**.
* Worked on **NIH/NIDA R01** project to extract, transform, and load data into SQL Server database to help research teams testing effectiveness of jail-based methadone maintenance program.
* As part of Performance improvement in **EpiQuery** Project designed, created and populated dimension, fact tables in SQL data warehouse.
* **Developed, Tested and Executed** SQL stored procedures using Microsoft SQL server Management studio and automated by scheduling to process the data on a daily basis.
* Provided guidance for **AWS cloud infrastructure** database migrations.
* Developed SSIS packages to load **SPARCS** Files into SQL tables on adhoc basis, created indexes to improve the performance of queries.
* Collected requirements and created Views for users to retrieve SPARCS data from tables.
* Implementing and **Managing ETL solutions** and automating operational processes.
* Responsible for Designing **Logical and Physical data modelling** for various data sources.
* Used Script task in SSIS to write custom code using Vb.net to work on files and send HTML emails.
* Created Reports as per user requirements using SQL Server Reporting Services.
* Developed Dashboard reports using Power BI.
* **Deployed reports created report schedules and subscriptions.** Managing and securing reports using SSRS.

**Environment:** SQL Server 2019/2016/2014/2012, SQL Server Data Tools, TSQL, SSIS, SSRS, Power BI, SAS 9.2/9.4, Message Broker, HAPI (Java Tool) for HL7 messages, HIPAA, JIRA, AWS, XML, Visual Studio 2017/2015/2012, R Studio, Azure Dev Ops, Team Foundation Server, Microsoft Visio 2013, TOAD, ORACLE, Share Point, SQL Profiler

**GAF, Wayne, NJ**

**Nov’12 – Dec’14**

**Senior BI Developer (SSRS, SSIS, SSAS)**

GAF is the North America’s largest manufacturer of commercial and residential roofing company. GAF has been primarily focused on manufacturing of roofing materials, shingles etc. for residential and commercial applications.

**Responsibilities:**

* Worked with Business Analysts in gathering requirements and translating them to technical specifications.
* Involved in the analysis and profiling of source data, creating prototypes and sample reports to help with requirements and design.
* Used Erwin Data modelling tool to design the data-warehouse and datamarts.
* Creating and managing schema objects such as **tables, views, indexes and triggers**.
* Written complex T-SQL queries, created Stored Procedures and functions.
* Developed reports in **SSRS** that pull date from SSAS using MDX queries.
* Involved in **Performance Tuning** of Code using execution plan and SQL profiler and added **Indexes** to improve performance on tables.
* Used Sub queries, joins, CTE’s and Analytical functions for data retrieval.
* Using SQL server reporting services **(SSRS)** delivering enterprise, Web-enabled reporting to create reports that draw content from a variety of data sources.
* Created different types of reports such as Cross-Tab, Drill-down, Drill Through, OLAP and Sub reports, and formatting them using both **SSRS 2012**
* Generated Reports using Global Variables, Expressions and Functions for the reports using **SSRS 2012.**
* Created data driven subscriptions for different users using Report Manager.
* Designed and developed efficient SSIS packages for processing fact and dimension tables with complex transformations.
* Extracted large volumes of data from various data sources and loaded the data into target data sources by performing different kinds of transformations using **SQL Server Integration services (SSIS).**
* Experience in ETL Data Warehouse environment. Created Jobs in SSIS and was responsible for ETL job scheduled to run daily. Solved the issues associated with ETL Data Warehouse Failure.

# Environment: MS SQL Server 2012/2008, Team Foundation Server, Microsoft SharePoint Server (MOSS 2010), Crystal Reports, (SSIS) SQL Server Integration Services, (SSRS) SQL Server Reporting Services, T-SQL, C#, Excel 2007, Visio 2010

**Ernst & Young, Secaucus, NJ**

**Feb’12 – Nov’12**

**SQL Server SSIS, SSRS Developer**

Ernst & Young is a global leader in [assurance](http://www.ey.com/US/en/Services/Assurance), [tax](http://www.ey.com/US/en/Services/Tax), [transaction](http://www.ey.com/US/en/Services/Transactions) and [advisory services](http://www.ey.com/US/en/Services/Advisory). Worldwide People are united by shared values and an unwavering commitment to quality.

**Responsibilities:**

* Worked on Partnership Taxation system (PTAS)
* Implemented logical and physical modelingusing **ERWIN data modeler tool**
* Created different types of User-defined functions.
* **Used Package Configurations to make use of same SSIS package in Dev/Testing/Prod Environments**
* Built efficient **SSIS packages** for processing fact and dimension tables with complex Transforms and type 1 and type 2 slowly changing dimensions.
* Created mapping tables to find out the missing attributes for the **ETL process.**
* Used the row count transformation and event handlers control flow to populate the special log tables with **high level SSIS package** execution results
* Creating source and target table definitions using SSIS. Source data was extracted from Flat files, SQL Server and DB2 Database
* Worked with various tasks of SSIS include Data flow task, Execute SQL Task, File System task etc.,
* Scheduled the SSIS packages to run at different intervals to load the data.
* Used **data profiling task in SSIS 2008** to identify poor data and repair it.
* Experience in Database Backup, Recovery procedures (Log shipping, Clustering and Replication).
* Improved the accuracy of the source data by implementing data validation on the source data for reporting

**Environment:** SQL Server 2008/2005, T-SQL, (SSIS) SQL Server Integration Services, (SSRS) SQL Server Reporting Services, Erwin, SQL Profiler, MS Visio, Visual Studio 2008-2005, .Net, Informatica, SQL Profiler

**Alere Health Care, Upper Saddle River, NJ**

**Aug’10 – Feb’12**

**MS SQL Server/BI Developer (SSAS, SSIS)**

Alere Health care is a leader of rapid point-of-care and is motivated by a desire to make healthcare diagnostics convenient and affordable. Alere helps to connect individuals and providers through diagnostic tests, biometric collection devices and health management services.

**Responsibilities:**

* Used SSIS to unite data from existing system and performed transformations on MS SQL 2008.
* Developed **ETL packages** with different data sources (**SQL Server, Flat Files, Excel source files,** XML **files** etc.) and loaded the data into target tables by performing different kinds of transformations using **SQL Server Integration Services (SSIS).**
* Designed and developed efficient **SSIS** packages for processing fact and dimension tables using transformations like **Fuzzy lookup, lookup, merge.**
* Utilized event handling effectively to generate **audits** and **logs** for the generated **SSIS** packages.
* Performed **archiving** and achieved automated processing of the raw data through the ETL process in **SSIS**.
* Used **DDL** and **DML** for writing triggers**, stored procedures** to check the data entry and payment verification.
* Used **Lookup Transformation** to get the data from reference data sets
* Conducted Data Analysis and did Data Modeling and Created the ER diagrams using **Logical Schema** and **Star Schema**.

**Environment:** SQL Server 2008, SSIS, VBScript, SQL Profiler, MS SQL Server Integration Services (SSIS), SSRS), MS SQL Server Analysis Services(SSAS).

**Aegis Ltd**

**Clients: Bell South & AT&T, Fort Lauderdale, Florida**

**Aug ’05 – August ’10**

**SQL Server Developer/ QA Analyst**

**Responsibilities:**

* Interacted with Business Users and Analyzed user requirements and built reporting solutions such as relational database reports OLAP reporting, dashboards, and scorecards.
* Created **Stored Procedures** to transform the Data and worked extensively in **T-SQL** for various needs of the transformations while loading the data
* Created new database objects like **Procedures, Functions, Packages, Triggers, Indexes** and **Views** using **T-SQL** in Development and Production environment for **SQL Server**
* Designed and implemented Parameterized and cascading parameterized reports using **SSRS.**
* Created **snapshots** of reports to reduce the **load on the server using SSRS 2008**
* Extract Transform Load (ETL) development using SQL Server 2005, SQL 2008 Integration Services **(SSIS).**
* Experience in creating complex **SSIS packages** using proper control and data flow elements with error handling.
* Enhancing and deploying the SSIS Packages from development server to production server.
* Performed Documentation for all kinds of reports and DTS and SSIS packages.

**Environment:** Erwin, SQL Server 2008/2005/2000, MS Server Integration services, SSRS (MS Server Reporting Services), SQL Server Integration Services