**SUSHMA KEERTHIPATI**

**Sr. Azure Data Engineer/SQL BI Developer Email**: [sushmak0102@gmail.com](mailto:sushmak0102@gmail.com) **Phone**: (956) 693-3649

**PROFESSIONAL PROFILE**

* A Microsoft certified Azure Data Engineer and involved graduate in Information technology possessing excellent time management and problem-solving skills withstrong working knowledge in Azure SQL Server, ETL using SSIS and Data warehousing concepts.
* Over eight years of accomplished experience in Data Modeling, Database Design, Programming, Development and Implementation of Database and Business Intelligence system using Microsoft SQL Server 2017/2016/2014/2012/2008 in OLTP/OLAP environment with various business domains like Insurance, Energy, Health care, in Development, Testing and Production Environments.
* Designed and architected scalable data processing and analytics solutions, including technical feasibility, integration, development of Big Data storage, processing and consumption of Azure data, analytics, big data (Hadoop, Spark), business Intelligence (Reporting services, Power BI), No SQL, HDInsight, Stream Analytics, Data Factory, Azure Key vault, Event Hubs and Notification Hubs.
* Experience in Azure cloud Implemented large Lambda architectures using Azure Data platform capabilities like Azure Data Lake, Azure Data Factory, HDInsight, Azure SQL Server, and Power BI.
* Experience in creating dbProject solution for Reporting Database and configuring CI/CD pipelines on Azure devOps and supporting Microsoft Azure systems including SQL Server hosted Azure Virtual Machine (IaaS) and Azure SQL Database (DBaas).
* Experience in Creating Tables, Joins, Views, Indexes, Triggers, Stored Procedures, User Defined Functions, synonyms, collections, Exception handling, Query Tuning using query optimizer.
* Expertise in Integration Services (SSIS) and Reporting Services (SSRS). Worked Extensively on ETL process using SSIS packages from flat file, XML, COBOL, Orion and different sources.
* Good Experience in the implementation of all phases of Software Development Life Cycle SDLC.
* Extensively worked in agile methodology, involved in daily scrum meetings, sprint reviews and quarterly sprints for effective delivery of work. Also worked in waterfall methodology for few projects.
* Collaborated with team and business owners in the development and/or execution of all types of software development considering the objectives of the organization.
* Good communication with the project team throughout all stages of design,managing time effectively, and work on multiple project timelines simultaneously in a demanding deadline driven environment.

**EDUCATION AND CERTIFICATIONS**

* Harrisburg University of Science and Technology

Master of Science: Information Systems Engineering and Management

Harrisburg, PA. GPA: 4.0/4.0

* Microsoft Certifications - MCID**:**13631548
* Microsoft Certified - Azure Data Engineer Associate
  + DP 200 - Implementing an Azure Data Solution
  + DP 201 - Designing an Azure Data Solution
* Microsoft Certified Professional
  + Exam 461 - Querying Microsoft SQL Server 2012/2014
  + Exam 462 - Administering Microsoft SQL Server 2012/2014 Databases

**TECHNICAL SKILLS**

* Databases: Azure Microsoft SQL Server SQL 2018/2017/2014/2012, NoSQL.
* Tools/ Utilities: SQL, SSIS, SSRS, Power BI, SVN, TFS, GIT, VSTS, Microsoft Office, Azure.
* Languages: SQL, Python, C, C++, .NET, HTML.
* Operating Systems: Windows (Server 2008/2012), Ubuntu.

**PROFESSIONAL EXPERIENCE**

**The Carlyle Group, Washington D.C. Jun 2019 – Present**

**Sr. Azure SQL/BI Developer**

**Responsibilities:**

* Main Job duties involves working with Tax and financial data.
* Developed complex SQL stored procedures and views with Investment tax reporting data extensively.
* Created External tables that points to blob files on azure storage.
* Created dbProject solution for Reporting database and configured CI/CD pipelines on Azure devOps.
* Worked on azure Key vault to store secrets and SAS for Azure Data Warehouse.
* Created new SSIS Packages for data reconciliation reports from different sources and automated to run daily, weekly, monthly and quarterly which reduced manual effort for generating these reports.
* Developed a complex tax data SQL stored procedure that generates a yearly report of Investments and their entity relationships.
* Experience migrating already existing SSIS packages to pipelines in Azure Data Factory.
* Created Pipelines in Azure Data Factory to refresh azure Reporting Data warehouse.
* Supporting the Track project that includes complex SSIS packages that were automated using different data sources from Salesforce, EBX and data transformations made in data warehouse.
* Reports are developed using SSRS and are scheduled as needed.
* Involved working with Unstructured Data on Azure Data Lake.
* Working in Agile that includes daily scrum meetings, sprint planning, backlog refinements and story pointing the stories.

**Community Care of North Carolina, Raleigh, NC Jan 2019 – Jun 2019**

**Sr. ETL Developer**

**Responsibilities:**

* Extensively involved working on different processes which include Patient data (ADT), Immunizations Registry (NCIR), Prescription Drug data (NCPDP), and managed care organization data.
* Responsible for developing SQL queries, stored procedures and views extensively in Data warehouse from legacy code for care management.
* Created new SSIS Packages from Legacy code and rebuilt the logics to load data into Data warehouse as needed to generate reports for virtual health.
* Working extensively on already existing SSIS Packages to automate and schedule as per legacy code.
* Experience in Error and Event Handling: Precedence Constraints, Break Points, Check Points, Logging.
* Participated in daily scrum meetings to touch base with whole team and update the work on a regular basis.

**Evolent Health, Arlington, VA Jul 2018 – Jan 2019**

**Sr. Azure SQL Server/BI Developer Aug 2016 – Apr 2018**

**Responsibilities:**

* Mainly involved in working with patient (prior authorization files) and claims data which includes gathering all the patient and claim data from different sources, developing it as per requirements and generating the data to all clients.
* Experience in Azure system configuration, database migrations, backup and recovery, performance monitoring and tuning.
* Experience in Azure cloud Implemented large Lambda architectures using Azure Data platform capabilities like Azure Data Lake, Azure Data Factory, Azure SQL Server, and Power BI.
* Created database objects like tables, Stored Procedures, Functions, Views, Triggers, Indexes and T-SQL queries (DDL and DML) to meet the business requirements using T-SQL.
* Optimized SQL queries and stored proceduresfor handling huge data.
* Developed ETL packages with different data sources (SQL Server, Flat Files, XML files, Excel Files) and loading the data into target tables by performing different kinds of transformations using SQL Server Integration Services (SSIS). Configured SSIS packages at project level to allow packages to run on different environments.
* Developed and deployed various SSRS reports as per the requirements using SQL queries and stored procedures.
* Pulled data from T-SQL stored procedure to develop the parameterized reports using SSRS.Worked on creating SSRS subscriptions.
* Experience in supporting Microsoft Azure systems including SQL Server hosted Azure Virtual Machine (IaaS) and Azure SQL Database (DBaas).
* Used smtp library to generate the Automatic Email Generation for the client and the users to update about the job’s status.
* Experience in version control tools like Git, TF VC, and VSTS.
* Provided daily communications, scrum notes, sprint reviews reports, project retrospectives, and regular snapshots of project velocity.
* Designed and implemented BI solutions using best practices in accordance with Microsoft guidance.
* Collaborated with team members to produce project estimates.
* Participated in development, support, maintenance and implementation of project.

**Amida Care, NYC Apr 2018 – Jul 2018**

**Sr. SQL Data Analyst**

**Responsibilities:**

* Extensively worked on HIV patient’s data from State of New York. Developed and automated an annual report with HIV patient’s data using SSIS.
* Worked extensively on re-writing the SQL queries from various data sources for the annual total cost of care services report.
* Developed SSIS package with different data sources and generated custom Excel Files by performing various transformations for automation of a report.
* Responsible for enhancements to the SQL queries needed for the report and provide detailed instructions for automation.
* Used Excel, Macros, and SQL queries to make detailed reports which includes service costs of medical, pharmacy, behavioral, vision and dental services of patients.
* Involved in supporting existing SSIS Packages for 837 claims files.

**United Airlines, Chicago, IL Jun 2016 – Aug 2016 Business Intelligence Developer**

**Responsibilities:**

* Analyzed and documented SSIS packages and existing reporting system.
* Responsible for the development of SQL queries and stored procedures.
* Created SSIS Packages from Orion (Legacy) for customer data effectively.
* Worked on existing SSIS Packages to rebuild logics from Orion.

**Deloitte Consulting, Harrisburg, PA Apr 2015 – May 2016**

**Client: State of Delaware**

**SQL Server BI Developer (SSIS)**

**Responsibilities:**

* Developed Complex SQL Queries using sub queries, functions, joins, views, triggers etc.
* Created and managed schema objects such as tables, views, indexes, procedures dynamically for any tables, triggers and maintained Referential Integrity.
* Experience in Error handling and fine-tuning Queries, Stored Procedures and enhanced the performance based on execution plan.
* Created and developed Stored Procedures reading XML files and extracted the data into tables using SSIS packages while also handling errors.
* Involved extensively in coding and debugging the SQL Stored Procedures and SSIS Packages from XML files under critical circumstances.
* Developed ETL packages with different data sources (SQL Server, Flat Files, XML files) and loaded the data into target tables by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Developed SQL Queries and SSIS Packages which were involved with state benefits data from COBOL sources.
* Expert in using Lookup transformations, Merge Joins, Derived Columns, Aggregate, conditional split, SQL task, script task etc. with multiple dataflow tasks. Used different control flow tasks and dataflow tasks for creating SSIS packages and different types of transformation for data conversion, sorting and data cleansing from different sources.
* Worked on complex ETL packages to extract data from staging tables to partitioned tables with incremental load. SSIS Packages were developed from Flat file sources to Flat file destinations by staging data in staging tables and using different transformations.
* Experience in SSIS script task, look up transformations and data flow tasks using T- SQL and Visual Basic (VB) scripts.
* Experience in configuring SSIS packages at project level with project parameters and deploying through SSIS Catalog.
* Worked with re-directing outputs into different formats including flat files, XML files and various other data sources. Experience in creating Error Handling using Event handlers on error, on warning, on task failed event types.
* Created WCF Services to call SSIS packages using C# Scripts.
* Experience in testing SSIS Packages using SOAP UI by configuring end points of WCF services.
* Provided support for production deployments. Extensively involved in SQL, SSIS validations, file and batch monitoring during production from SFTP Server.

**Chesapeake Energy, Oklahoma City, OK Dec 2014 – Feb 2015**

**Integration Developer**

**Responsibilities:**

* Developed views as required in a SQL and PL SQL environment.
* Dealt with Fine-Tuning views and stored procedures to improve performance with a Query Plan.
* Developed SQL scripts to Insert/Update and Delete data in MS SQL database tables.
* Creatednew SSIS packages added and configured components by using Control Flow Tools and Data Flow Tools in Microsoft SQL Server Integration Services.
* Responsible for creating SSIS Packages using oracle source and oracle destination and extensively used Team Foundation server (TFS) to check SSIS packages in to the source control.
* Created ETLpackages to extract heterogeneous data from Excel, Flat file, XML, OLE DB Source to SQL Server.

**Assurant Solutions, Miami, FL Mar 2012– Nov 2014**

**Sr. Application Packager**

**Responsibilities**:

* Experience on MSI, MST (Transforms), MSM (Merge Modules), MSP (Patches) and MSI database tables.
* Experience in Sequencing and publishing applications, Novell Zen Works and working on XML files.
* Created workstations build records using VMware and build the packages on VMware.
* Proficiency with a wide variety of operating systems, application software packages, network systems, deploying of packages.
* Deploy virtual machines from templates and allocate resources, Manage VM’s using VM ware virtual center and web access, Configurations of Virtual switched and network connections.

**Vartechs Info Pvt. Ltd., India Sep 2010 – Jul 2011**

**Software Developer**

**Responsibilities**:

* Created T-SQL queries using DDL, DML and Indexes, Views,User Defined Functions and Stored Procedures.
* Responsible for database development and performance tuning of the T-SQL queries.
* Optimized the query performance with modifications in TSQL queries, removing unnecessary columns, eliminating redundant and inconsistent data, normalizing database, establishing necessary joins.