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| **CHILLARA VIDHU**  **Senior Snowflake Developer**  **Email: kumarvidhu312@gmail.com**  **Phone: (848) 271-1184** |  |
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**SUMMARY:**

* Around 9+ Years of experience in designing and developing Data Warehousing and Business Intelligence applications in Banking, Financial, energy corporation, HealthCare and Technology Solutions industries.
* Strong experience in migrating other databases to Snowflake.
* Participate in design meetings for creation of the Data Model and provide guidance on best data architecture practices.
* Produced development plans, including high level estimates, resourcing requirements and risks.
* Collaborated with Product Design and Leadership to identify solutions, prioritize the product roadmap and delivery commitments.
* Evaluate Snowflake Design considerations for any change in the application.
* Build the Logical and Physical data model for snowflake as per the changes required.
* Define roles, privileges required to access different database objects.
* Design and code required Database structures and components
* Build the Logical and Physical data model for snowflake as per the changes required
* Implement performance tuning where applicable.
* Define architecture, best practices and coding standards for the development team.
* Provides expertise in all phases of the development lifecycle from concept and design to testing and operation.
* Hands on experience on Hadoop technology stack (HDFS, Map - Reduce, Hive, HBase, Pig, Cassandra, Flume, Kafka and Spark)
* Provide production support for existing products that include SSIS, SQL Server, stored Procedures, interim data marts, Matillion, AWS, Snowflake.
* Hands on experience on Hadoop technology stack (HDFS, Map - Reduce, Hive, HBase, Pig, Cassandra, Flume, Kafka and Spark).
* Participates in the development improvement and maintenance of snowflake database applications.
* Professional knowledge of AWS Redshift.
* Work with domain experts, engineers, and other data scientists to develop, implement, and improve upon existing systems.
* Deep dive into data quality issues and provide corrective solutions.
* Troubleshoot and maintain ETL/ELT jobs running using Matillion.
* Interface with business customers, gathering requirements and deliver complete Data Engineering solution.
* Used real time streaming frameworks like Apache storm to load the data from messaging distribution DBT system.
* Define virtual warehouse sizing for Snowflake for different type of workloads.
* Design and code required Database structures and components.
* Ensure incorporation of best practices and lessons learned from prior projects.
* Coding for Stored Procedures/ Triggers.
* Building/Maintaining Docker container clusters managed by Kubernetes. Utilization of Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and deploy.
* Develop transformation logic using snow pipeline.
* Optimize and fine tune queries
* Performance tuning of Big Data workloads.
* Used AWS Glue to perform ETL to prepare and load data for further data analytics.
* Experience with Snowflake cloud data warehouse and AWS S3 bucket for integrating data from multiple source system which include loading nested JSON formatted data into snowflake table.
* Have good Knowledge in ETL and hands on experience in ETL.
* Deliver quality and timely results.
* Operationalize data ingestion, data transformation and data visualization for enterprise use.
* create code to bulk load or upset (Insert/update) using Redshift and SnapLogic.
* Ensure proper data governance policies are followed by implementing or validating Data Lineage, Quality checks, classification, etc.
* Mentor and train junior team members and ensure coding standard are followed across the project.
* Help talent acquisition team in hiring quality engineers.
* Write highly tuned and performant SQLs on various DB platform including MPPs.
* Designs batch cycle procedures on major projects using scripting and Control.
* Develop SQL queries SnowSQL.
* Worked with cloud architect to set up the environment.
* write code or ETL processes using SnapLogic to load data into redshift tables.
* Build high quality, unit testable code.
* Develop highly scalable, fault tolerant, maintainable ETL data pipelines to handle vast amount of data.

**TECHNICAL SKILLS:**

**Cloud Technologies :** Snowflake, SnowSQL, Snowpipe AWS.

**Spark, Hive :** LLAP, Beeline, Hdfs, MapReduce, Pig, Sqoop, HBase,

Oozie, Flume

**Reporting Systems :**Splunk

**Hadoop Distributions :** Cloudera, Hortonworks

**Programming Languages :** Scala, Python, Perl, Shell scripting.

**Data Warehousing :** Snowflake, Redshift, Teradata

**DBMS :** Oracle, SQL Server, MySQL, Db2

**Operating System :**  Windows, Linux, Solaris, Centos, OS X

**IDEs :** Eclipse, NetBeans.

**Servers :** Apache Tomcat

**PROFESSIONAL WORK EXPERIENCE:**

**Canon Medical Systems – Tustin CA (Mar 2020 – till date)**

**Sr. Snowflake Developer**

Responsibilities:

* Evaluate Snowflake Design considerations for any change in the application
* Build the Logical and Physical data model for snowflake as per the changes required
* Define roles, privileges required to access different database objects.
* Involved in Migrating Objects from Teradata to Snowflake.
* Created Snowpipe for continuous data load.
* Worked on Oracle Databases, RedShift and Snowflakes
* Define virtual warehouse sizing for Snowflake for different type of workloads.
* Major challenges of the system were to integrate many systems and access them which are spread across South America; creating a process to involve third party vendors and suppliers; creating authorization for various department users with different roles.
* Used COPY to bulk load the data.
* Created internal and external stage and t transformed data during load.
* Used FLATTEN table function to produce lateral view of VARIENT, OBECT and ARRAY column.
* Worked with both Maximized and Auto-scale functionality.
* Used Temporary and Transient tables on diff datasets.
* Cloned Production data for code modifications and testing.
* Shared sample data using grant access to customer for UAT.
* Time traveled to 56 days to recover missed data.
* Heavily involved in testing Snowflake to understand best possible way to use the cloud resources.
* Define virtual warehouse sizing for Snowflake for different type of workloads.
* Design and code required Database structures and components
* Build the Logical and Physical data model for snowflake as per the changes required
* Worked with cloud architect to set up the environment.
* Developed ELT workflows using NiFI to load data into Hive and Teradata.
* Worked on Migrating jobs from NiFi development to Pre-PROD and Production cluster.
* Scheduled different Snowflake jobs using NiFi.
* Used NiFi to ping snowflake to keep Client Session alive.

**AT&T – Dallas, TX ( Dec 2018 – Feb 2020) Snowflake Developer**

Responsibilities:

* Defines project scope and objectives.
* Develops detailed work plans, schedules, project estimates, resource plans, and status reports. - Conducts project meetings and is responsible for project tracking and analysis.
* Experience in loading the on-premise SQL & Netezza data to Azure Blob Storage using Azure Data Factory and then to snowflake using, Snow sql.
* Good working knowledge of any ETL tool (Informatica or SSIS).
* Consulting on Snowflake Data Platform Solution Architecture, Design, Development and deployment focused to bring the data driven culture across the enterprises
* Building solutions once for all with no band-aid approach.
* Developed data warehouse model in snowflake for over 100 datasets using whereScape.
* Generated a script in AWS Glue to transfer the data and utilized AWS Glue to run ETL jobs and run aggregation on PySpark code.
* Implement data transformations and data structures for data warehouse and lake/repository.
* Utilized SQOOP, Kafka, Flume and Hadoop File System API’s for implementing data ingestion pipelines from heterogeneous data Sources.
* Part of Architecture design to migrate current ETL jobs to cloud using Attunity Replication, AWS Redshift and Snaplogic Framework.
* Very good exposure and rich experience in ETL tools like Alteryx, Matillion & SSIS.
* Manage cloud and/or on-premises solutions for data transfer and storage.
* Establish data structures for all enterprise data stored in business intelligence systems.
* Worked on Oracle Databases, RedShift and Snowflakes.
* Develop stored procedures/views in Snowflake and use in Talend for loading Dimensions and Facts.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Design, develop, test, implement and support of Data Warehousing ETL using Talend.
* Very good knowledge of RDBMS topics, ability to write complex SQL, PL/SQL.
* Creating Reports in Looker based on Snowflake Connections.
* Worked on SnowSQL and Snow pipe.
* Redesigned the Views in snowflake to increase the performance.
* Unit tested the data between Redshift and Snowflake.
* 4 years of experience in big data ecosystems using Hadoop, Pig, Hive, HDFS, MapReduce, Sqoop, Storm, Spark, Airflow, Snowflake, Teradata, Flume, Kafka, Yarn, Oozie, and Zookeeper.
* Created Talend Mappings to populate the data into dimensions and fact tables.
* Wrote ETL jobs to read from web APIs using REST and HTTP calls and loaded into HDFS using java and Talend.
* part of the team to design common snaplogic pipeline to load all tables by reading meta data dynamically based on each subject area.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Scheduled all the staging, intermediate and final core tables load to snowflake on the Matillion tool.
* Written PySpark job in AWS Glue to merge data from multiple tables and in Utilizing Crawler to populate AWS Glue data Catalog with metadata table definitions.
* Worked on AWS Data Pipeline to configure data loads from S3 to into Redshift.
* Converted Talend Joblets to support the snowflake functionality.
* Involved in setting up 3 node storm and Kafka cluster in open stack servers using chef.
* Created Snow pipe for continuous data load.
* Used COPY to bulk load the data.
* Created data sharing between two snowflake accounts.
* Created internal and external stage and transformed data during load.
* Validating the data from SQL Server to Snowflake to make sure it has Apple to Apple match.
* Experience in working with AWS, Azure and Google data services
* Validation of Looker report with Redshift database.
* Core Technologies: End to end data platform with Snowflake, Matillion, Power BI, Qubole, Databricks, Tableau, Looker, Python, Data Iku & R.
* Developed spark applications in python (PySpark) on distributed environment to load huge number of CSV files with different schema in to Hive ORC tables.
* Used Talend big data components like Hadoop and S3 Buckets and AWS Services for redshift.
* Implemented Change Data Capture technology in Talend in order to load deltas to a Data Warehouse.

**Amex – Scottsdale, AZ (Dec 2017 - Nov 2018)**

**Senior SQL Developer**

Responsibilities:

* Collecting Business requirements from users and translated them as technical specs and designed documents for development.
* Create and maintain database for Server Inventory, Performance Inventory.
* Hands-on experience with Snowflake utilities, SnowSQL, Snow Pipe, Big Data model techniques using Python / Java.
* Developed and tuned all the Affiliations received from data sources using Oracle and Informatica and tested with high volume of data.
* Develop SQL queries SnowSQL.
* Working with SQL, and T-SQL, VBA
* Backing up the Database.
* Involved in creating tables, stored procedures, indexes.
* Responsible for developing, support and maintenance for the ETL (Extract, Transform and Load) processes using Oracle and Informatica Power Center.
* Created common reusable objects for the ETL team and overlook coding standards.
* Ensuring Data Consistency, Analyzing the Data.
* Created various Documents such as Source-to-Target Data mapping Document, and Unit Test Cases Document.
* Used the UNIX for Automatic Scheduling of jobs. Involved in Unit Testing of newly created PL/SQL blocks of code.
* Defined report layouts including report parameters and wrote queries for drill down reports, Conditional, Drill Through report, Sub report, Parameterized report using SSRS 2012.
* Designed and developed SSIS (ETL) packages to validate, extract, transform and load data from OLTP system to the Data warehouse.
* Created SSIS package to load data from Excel File to Data warehouse using Lookup, Derived Columns, Sort, Aggregate, Pivot Transformation, and Slowly Changing Dimension.
* ETL pipelines in and out of data warehouse using combination of Python and Snowflakes SnowSQL Writing SQL queries against Snowflake.
* Generate Dashboard Reports for Internal Users using SQL Server 2005 Reporting Services.
* Extensively worked on Views, Stored Procedures, Triggers and SQL queries and for loading the data (staging) to enhance and maintain the existing functionality.
* Done analysis of Source, Requirements, existing OLTP system and identification of required dimensions and facts from the Database.
* Used various SSIS tasks such as Conditional Split, Multicast, Fuzzy Lookup including data validation checks during Staging, before loading the data into the Data warehouse.
* Configured files to deploy the SSIS packages across all environments.
* Responsible for design and build data mart as per the requirements.
* Extracted Data from various sources like Data Files, different customized tools like Meridian and Oracle.
* Created Stored Procedures involving multiple tables to apply different logics to the data as per business requirements and get the required outputs.
* Generated Reports using Global Variables, Expressions and Functions.
* Developed Report Models using report builder and distributed reports in multiple formats using SQL Server Reporting Services (SSRS) in Business intelligence development studio (BIDS). Created Alerts for successful or unsuccessful completion of Scheduled Jobs.
* Created database objects like table, Views, Store Procedure, Triggers, Functions using T-SQL.
* Responsible for 24/7 Production support and fixing data issues raised by Business on timely Manner.
* Used Import/Export Utilities of Oracle.
* Performed Unit Testing and tuned for better performance.
* Created Data acquisition and Interface System Design Document.
* Designed the Dimensional Model of the Data Warehouse Confirmation of source data layouts and needs.

**Barclays: Hyderabad, India ( Oct 2015 - Nov 2017) SQL Developer**

Responsibilities:

* Designed the Functional Requirements and Mapping Technical Specifications on the basis of Functional Requirements.
* Transferred data from flat files, Excel spreadsheets, and XML Source data to SQL Server using SSIS and also used BCP and Bulk Insert.
* Designed dashboards, including scorecards and reporting with the Dashboard Designer delivered via MOSS (Confidential Office SharePoint Server).
* Proficient on and designing Data Mart and Data Warehouse using Erwin in Star and Snowflake Schemas.
* Involved in system analysis & design of the Enterprise data warehouse implementation, Requirements gathering and understanding the business flow.
* Helped Database administrators with power shell in building robust administration scripts.
* Used SSRS to create reports, customized Reports, on-demand reports, ad-hoc reports and involved in analyzing multi-dimensional reports in SSRS.
* Created document for Self-Service Deployment and Execution process for SSIS packages.
* Involved in data modeling for the application and created ER diagram using Erwin.
* Created, Maintained & scheduled various reports in SSRS like Ad-hoc Reports, Canned Reports, and Master Reports & Parameterized Reports, Drill Down Report, Drill Through Report using SQL Server Reporting Services SSIS 2005.
* Responsible to tune ETL procedures and schemas to optimize load and query Performance.
* Developed highly optimized stored procedures, functions, and database views to implement the business logic and also created clustered and non-clustered indexes.
* Used various SSIS tasks such as Conditional Split, Multicast, Fuzzy Lookup etc., which did Data Scrubbing, including data validation checks during Staging, before loading the data into the Data warehouse.
* Generated SQL and PL/SQL scripts to install create and drop database objects, including tables, views, primary keys, indexes, constraints, packages, sequences, grants and synonyms.
* Database design and development including Tables, Primary and Foreign Keys, Indexes and Stored Procedures.
* Involved in performance tuning using with TKPROF.
* Extensively used high level backend PL/SQL programming involving different databases.
* Developed Shell scripts for job automation and daily backup.
* Creating Index, Views, Complex Stored Procedures, Triggers, Cursors and appropriate User defined functions to implement the business logic.
* Creation of database tables and procedures to update and clean the old data.
* Created SSIS package to load data from Flat Files, Excel and XML Files to Data warehouse and Report-Data mart using Lookup, Derived Columns, Sort, Aggregate, Pivot Transformation, and Slowly Changing Dimension.
* Designed, deployed, and maintained complex canned reports using   SQL   Server 2008 Reporting Services (SSRS).
* Created and maintained data flow diagrams for existing and future ETL processes.
* Involved in Data Extraction, Transformation and Loading (ETL) between Homogenous and Heterogeneous systems using SQL tools (SSIS, Bulk Insert).
* Design and Deploy SSIS Packages
* Creating SSIS Packages, Configure SSIS packages for different environments using DTS Config
* Involved in error handling of SSIS packages by evaluating error logs.
* Interacting with the users and troubleshooting the problems involved with the development of stored Procedures, triggers and problems related to the privileges.

**Syntel: Bangalore, India (May 2014 – Oct 2015)**

**ETL Developer**

**Responsibilities:**

* Read data from flat files and load into Database using SQL Loader.
* Responsible for design and build data mart as per the requirements.
* Extensively worked on Views, Stored Procedures, Triggers and SQL queries and for loading the data (staging) to enhance and maintain the existing functionality.
* Done analysis of Source, Requirements, existing OLTP system and identification of required dimensions and facts from the Database.
* Created Data acquisition and Interface System Design Document.
* Designed the Dimensional Model of the Data Warehouse Confirmation of source data layouts and needs.
* Deploy various reports on SQL Server 2005 Reporting Server
* Installing and Configuring SQL Server 2005 on Virtual Machines
* Migrated hundreds of Physical Machines to Virtual Machines
* Extensively involved in new systems development with Oracle 6i.
* USED SQLCODE returns the current error code from the error stack SQLERRM returns the error message from the current error code.
* Used Import/Export Utilities of Oracle.
* Created the External Tables in order to load data from flat files and PL/SQL scripts for monitoring.
* Writing Tuned SQL queries for data retrieval involving Complex Join Conditions.
* Extensively used Oracle ETL process for address data cleansing.
* Responsible for developing, support and maintenance for the ETL (Extract, Transform and Load) processes using Oracle and Informatica PowerCenter.
* Created common reusable objects for the ETL team and overlook coding standards.
* Reviewed high-level design specification, ETL coding and mapping standards.
* Designed new database tables to meet business information needs. Designed Mapping document, which is a guideline to ETL Coding.
* Used ETL to extract files for the external vendors and coordinated that effort.
* Migrated mappings from Development to Testing and from Testing to Production.
* Performed Unit Testing and tuned for better performance.
* Created various Documents such as Source-to-Target Data mapping Document, and Unit Test Cases Document.
* Designed the Dimensional Model of the Data Warehouse Confirmation of source data layouts and needs.

**Education**

Bachelors - B.Tech in Information Technology JNTUH 2014.