 **Kumar B**

**Snowflake Developer**

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**Professional Summary**

* 8 years of IT experience with a strong background in Snowflake, Data warehousing, Data Integration tools including Informatica PowerCenter and Business intelligence applications in Financial, Insurance, Retail and Telecom Industries.
* 4.5+ Years of experience in **Snowflake** as a Developer.
* Hands-on experience across all stages of Software Development Life Cycle (SDLC) including business requirement analysis, data mapping, build, unit testing, systems integration, and user acceptance testing.
* Data Loading experience in SQL Server 2008 using SSIC ETL and experience in developing packages in SSIS and DTS according to task.
* Strong experience in migrating other databases to snowflake.
* Experience with Snowflake Multi - Cluster Warehouses.
* Good experience in **UNIX/LINUX** working environment.
* Responsible for on boarding the users onto **Snowflake**, Creating, and managing Storage Integrations, DB objects, Stages (Internal &amp; External), File Formats (JSON, CSV, TSV).
* Experience working on data extraction, Transformation and loading data from various sources like Oracle, SQL Server, and Flat files.
* Hands on experience on various SQL Server services like integration services (SSIS), and reporting services (SSRS).
* Experienced in creating Glue catalog in Amazon Glue using the Glue crawler and able to create the schema using the crawler.
* Able to create the spark data frames in the AWS Glue ETL jobs.
* Professional knowledge of **AWS Redshift**.
* 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.
* Design relational and non-relational data stores on Azure.
* Working knowledge on Data Build Tool (DBT) with Snowflake.
* Hands on experience in tuning mappings, identifying, and resolving performance bottlenecks in various levels like sources, targets, mappings and sessions.
* Good understanding of the data modeling concepts like star-schema modeling, Snowflake schema modeling, fact and dimensions tables.
* Developed pyspark programs and created the data frames and worked on transformations.
* ﻿﻿Transform and analyze the data using Pyspark, HIVE, based on ETL mappings.
* Experience in creating fact and dimensional model in MS SQL server and Snowflake Database utilizing cloud Database Matillion ETL tool.
* Strong skills in Data Analysis, Data Requirement Analysis and Data Mapping for ETL processes.
* Strong knowledge of Entity - Relationship concept, Facts and dimensions tables, slowly changing dimensions, and **Dimensional Modeling (Star Schema and Snowflake Schema) and** Kimball methodologies.
* Good understanding on Tableau Desktop and Tableau Online.
* Good knowledge on data migration and data analysis by transferring them using **SSIS** packages.
* In-depth knowledge of Snowflake Database, Schema and Table structures.
* Strong experience in SQL Server DTS and **SSIS** Integration Services package design, constructing, and deployment.
* Good experience with Snowflake utilities, SnowSQL, SnowPipe using Python.
* Experience in**migration of Data**from various sources like Excel, Flat file etc., to MS SQL Server by using **MS** **SQL Server DTS**and**SSIS.**
* Expert in designing stylish reports like Drilldown, Parametrized, ad-hoc and chart reports using SQL Server Reporting Services (SSRS).

**Education Details**:

Bachelor’s: Bachelor’s in Science Osmania University (2012-2015)

Master’s: Master’s in CS, Troy University, AL (2015-2017)

 **Certifications:**

 [SnowPro Core Certification](https://www.credly.com/badges/6b778cdc-97c2-4b45-98fa-afc8ab1a8931)

 **Technical Skills**:

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| --- | --- |
| **Programming Languages** | Python, Bas,  |
| **Query Languages** | SQL, PL/SQL, T-SQL, SnowSQL |
| **ETL Tools** | Snowflake, Data Build Tool (DBT), Matillion |
| **Databases** | Oracle 10g/9i/8i, DB28.x, SQL Server 2012/2014 |
| **Reporting Tools** | SSRS, Tableau, QlikView |
| **Version control**  | Git, SVN, TFVC |
| **Cloud Platform** | AWS, Azure |
| **Cloud Technologies** | EC2, S3, EMR |
| **Scheduling Tools** | Control-M, Crontab, Airflow |

 **Professional Experience:**

**Client: Fiserv, Alpharetta GA Apr 2022 - Present**

**Snowflake Developer**

**Responsibilities:**

* Experience with end-to-end implementation of Snowflake cloud data warehouse.
* Extensively worked on Views, Stored Procedures, Triggers and use in Talend for loading dimensions and facts.
* Experience working ETL pipelines in and out of data warehouse using combination of Python and Snowflakes SnowSQL Writing SQL queries against Snowflake.
* Designed new database tables to meet business information needs. Designed Mapping document, which is a guideline to ETL Coding.
* Designed and deployed data pipelines using Databricks and Apache Airflow.
* Created various Documents such as Source-to-Target Data mapping Document, and Unit Test Cases Document.
* Extensively worked on the naming standards which incorporated the enterprise data modeling.
* Expertise with Snow SQL, advanced concepts query performance tuning, time travel etc. and features/tools data sharing events, Snow Pipe etc.
* Ingested data to Blob Storage and processed the data using Databricks.
* Created and developed data load and scheduler process for RTL Jobs using Matillion ETL package.
* Used ETL to extract files for the external vendors and coordinated that effort.
* Establish interfaces between the data warehouse and reporting tools, such as Tableau.
* Build the Logical and Physical data model for snowflake as per the changes required.
* ﻿﻿Used different AWS data Migration Services and schema Conversion tool along with Matiilion ETL tool.
* Created internal and external stage and transformed data during load.
* Involved in DBT estimate, IQA, EQA.
* Used AWS Glue for the data transformation, validate and data cleansing.
* Worked on DBT connection setup with Snowflake and have used DBT cloud to execute ETL pipelines in Snowflake.
* Perform Control-m Agent installations, Fix pack and patch installations on Unix/Windows hosts.
* Worked on creating On-demand tables on S3 files using Lambda functions and AWS Glue using python and pySpark.
* Worked on AWS features such as S3, EC2, Lambda, Security groups.
* Used AWS glue catalog with crawler to get the data from S3 and perform SQL query operations.
* Implemented data transformations and data structures for data warehouse and repository.
* Created the External Tables to load data from flat files and PL/SQL scripts for monitoring.
* ﻿﻿Writing Tuned SQL queries for data retrieval involving Complex Join Conditions.
* Created a new data quality check framework project in Python that utilized pandas.
* Extensively used joins, functions and corelated sub-queries to simplify complex queries involving multipole tables.
* Good understanding on Agile process and Agile project execution.
* Troubleshoot Control-M platform and ensure resolution is documented.
* ﻿﻿Migrated mappings from Development to Testing and from Testing to Production.
* ﻿﻿Performed Unit Testing and tuned for better performance.

**Environment:** SQL, Oracle, Tableau, Snowflake, pySpark, Matillion, Databricks, Python, AWS, Airflow, Talend, Streamlit, SQS, SNS, JIRA, Google Analytics, Tableau, SSIS.

**AT&T, Plano TX Feb 2020 - Mar 2022**

**Snowflake Developer**

**Responsibilities:**

* Designed and developed data pipelines, integrated large Google analytics, Salesforce Oracle and generated business reports using Power-BI.
* Experience with large-space analytical solutions on Snowflake.
* In depth experience with Snowflake architecture, optimization levers and cost management principles.
* Developed custom reports using HTML, Redshift Streamlit analytics, Python and MySQL.
* Hands on experience with Snowflake utilities such as Snow SQL, Snow pipe, Steams, Time Travel Optimizer and data sharing.
* Analyzed the existing process and developed ETL DataStage parallel jobs.
* Experience in Snowflake data warehouse and ETL development including Snowflake bulk loading, Snow pipe, unloading and working with semi-structured data, etc.
* Scheduled all the staging, intermediate and final core tables load to Snowflake using the Matillion tool.
* Understood basic business analyst’s concepts for logical data modeling, data flow processing and database design.
* Expertise in Snowflake advanced concepts like setting up resource monitors, RBAC controls, virtual warehouse sizing, query performance tuning, zero-copy clone, Time Travel and understanding how to use these features.
* Worked with metadata driven SSIS packages to pull data from different sources and load it into data marts.
* Used Matillion tool blob storage component and loaded the tables to the Snowflake stage layer.
* Defined virtual warehouse sizing for Snowflake for different types of workloads.
* Developed RTL pipelines in and out of the data warehouse using a combination of Matillion and snowflake.
* Expertise in deploying Snowflake features such as data sharing and RBAC.
* Experience in converting relational data to/from semi-structured data.

**Environment:** Snowflake, SQL, Streamlit, pySpark, Python, AWS, Airflow, SSIS, DBT, SQS, SNS, JIRA, Google Analytics, Tableau, SSIS.

**Verizon, Tampa FL Sep 2018 - Jan 2020**

**Oracle PL/SQL Developer**

**Responsibilities:**

* ﻿﻿Participated in Daily stand-up call in a Scrum Environment and discussing about things to do and things completed so far in the present sprint.
* ﻿﻿Participated in Backlog grooming and Sprint planning meetings.
* ﻿﻿Performed Pre-deployment Unit testing & Functional testing in DEV and TEST Environments.
* ﻿﻿Worked as QA for other projects and helped in writing test cases and worked on executing them by performing the functional testing for Pre and Post deployment cases.
* ﻿﻿Worked on Project management by tasking the project to actionable sub-tasks.
* ﻿﻿Worked on refining the spec features, business rule validation and refinement with Business Analysts.
* ﻿﻿Responsible for installation of SQL Server, database design, and create schema objects like tables, views and indexes.
* Involved in writing automated scripts, Stored procedures to improve the performance of internal tools and thus reducing the overall cycle time.
* ﻿﻿Worked on SQL development like modifying complex SQL stored procedures to accommodate the needed business logic and to make the procedures work accordingly.
* ﻿﻿Worked on SQL server batch updates on the production server and monitored the performance.
* ﻿﻿Experience working with data structures and data processing using DBT.
* Used Bulk collections for better performance and easy retrieval of data, by reducing context switching between SQL and PL/SQL engines.
* Experience in DBT to perform transformations, clean and apply aggregations on data
* ﻿﻿Developed T-SQL Scripts to identify SQL Server objects without indexes and relationships and helped create clustered and non-clustered indexes for optimizing the database performance.
* Involved in Unit testing, System testing. regression testing.
* Provided production support for the production database and also to the code deployed in production environment.

**Environment:** MS SQL Server 2012, MS office 2010 T-SQL, DBT, SQL Server Query Analyzer, Microsoft SSMS, SQL Server Integration Services (SSIS), Visual studio 2010, object Scripter.

**NBC Universals, NYC July 2017 - Aug 2018**

**SQL Server Developer**

**Responsibilities:**

* Created and maintained database objects.
* Created complex Stored Procedures, Triggers, Cursors, Tables, Views and SQL Joins and other statements for various applications, maintained referential integrity and implemented complex business logic using TSQL.
* Created various reports using MS Reporting Services.
* Assisted in writing and optimizing complex SQL Queries.
* Analyzed the existing application programs and tuned SQL queries using SQL Profiler.
* Involved in writing scripts for the programs.
* Created aggregation queries for reporting and analysis.
* Loading data from various data sources using MS Data Transformation Services.
* Interacted with developers on various aspects ranging from usage of utilities to SQL performance, test data and general trouble shooting.
* Worked on SQL loader to load data from flat files and obtained from various facilities every day.
* SQL performance tuning by modifying SQL or adding/changing indexes.
* Prepared the reports for the day-to-day as well as weekly/monthly purposes in various formats like MS Excel, PDF, HTML etc.
* Wrote and integrated stored procedures to generate the reports.
* Created PL/SQL triggers and master tables for automatic creation of primary keys.
* Developed Stored Procedures, functions, and packages as part of project requirements.
* Provided on-call support for various projects.

**Environment:** SQL Server 2005/2008, SQL Diagrams, Sybase, DTS, Excel, MS Access 2000, ASP, MS SQL Reporting Services, Query Analyzer, Sql-Profiler.

**Mindtree, Hyderabad Nov 2014 - Dec 2015**

**Jr.SQL Server Developer**

**Responsibilities:**

* Designed and analyzed the SQL Server database and involved in gathering the user requirements.
* Responsible for pushing data objects across databases to different working levels: Dev- Test- Prod.
* Logical and physical design of database for project based to user requirements.
* ﻿﻿Created Triggers to enforce data and referential integrity.
* ﻿﻿Defined Check Constraints, Business Rules, Indexes, and Views.
* ﻿﻿Coordinated with the front-end developer to put in the business rules.
* Created procedure to check some of the rules at the backend at the time of entering data.
* ﻿﻿Created tables, Stored Procedures, views, triggers to facilitate the web application.
* ﻿﻿Good programming skills and experience in VB.Net.
* Used tools like SQL Profiler, Index Tuning Wizard and database Engine tuning Wizard, Windows performance monitor for monitoring and turning MS SQL Server performance.

**Environment:** SQL Server 2008, Query Analyzer, DTS Designer, Excel, MS Access 2000, Index Tuning Wizard, SQL Profiler.