Professional Summary:

* Having 7 years of professional IT experience with Data warehousing applications like Snowflake.
* SnowPro Core Certified.
* Strong knowledge and experience in Snowflake and data warehousing application tools working on all phases of data warehouse development life cycle, from gathering requirements to testing, implementation and support.
* Experience with Snowflake Virtual Warehouses, Building Snow pipe, Data sharing and strong knowledge on Snowflake Database, Schema, Table structures.
* Certified in Microsoft Azure fundamentals.
* Worked on Azure Storage Blobs for storing the data from the Files and storing the file details in the Table storage.
* Good experience on Cloud Automation using the Azure ARM Templates
* Worked on Snowflake advanced concepts like setting up virtual warehouse sizing, query performance tuning, Data Sharing, UDF, zero copy clone, Time travel and Data Pipelines (Streams and Tasks).
* Experience working on Azure Cloud Services, Azure storage, Azure CLI, Azure Active Directory, Azure Functions, Event Grid, Service Bus and Data Factory.
* Experience in working with Microsoft Azure IaaS - Virtual Networks, Virtual Machines, Application Gateways, Resource Groups, Express Route, Traffic Manager, Load Balancing, Azure Bastion, Network Security Groups, public IP Addresses, App Services, Application Insights, Private Endpoints, Auto-Scaling and Azure PaaS- Function Apps, Data Factory, Cloud Storage, Azure SQL, Service Bus, Event Grid, Key Vault, Azure Active Directory, Azure Monitor, Azure Backup, Azure Policy.
* Strong knowledge and experience on Data Analysis, Data Lineage, Big Data pipelines, Data quality, Data Reconciliation, Data transformation rules, Data flow diagram including Data replication, Data integration and Data orchestration tools.
* Advanced SQL skills including complex Joins, Snowflake stored procedures, views etc.
* Experience with performance tuning of Snowflake data warehouse with Query Profiler, Caching and Virtual data warehouse scaling.
* Experience in migrating on premise to Microsoft Azure using Azure Site Recovery and Azure backups.
* Experience in dealing with Microsoft Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling.
* Handling large and complex datasets like JSON, ORC, PARQUET, CSV files from various sources like AWS S3.
* Developed Mappings, Sessions, and workflows to extract, validate, and transform data according to the business rules using Informatica.
* Worked on multiple data sources and used JSON schema to define table and column mapping from S3 data to Redshift.
* Working Experience in SQL, PL/SQL, Unix.
* Ensure success of the project by taking ownership of deliverables and assist/perform analysis, testing or other tasks, as necessary.
* Writing complex SQL, utilizing internal tools, MS Excel to build custom reports that will drive core business decision.
* Certified AWS Cloud Practitioner.
* Design and Develop ETL processes in AWS Glue to migrate campaign data from external sources like S3, Parquet/Text files into AWS Redshift
* Designed and implemented secure data pipelines from different application sources into Snowflake using Python and SnowSQL.

**Technical Skills:**

|  |  |
| --- | --- |
| ETL Tools | SAP Business Objects and Data Services, IBM Data Stage, Informatica, Snowflake |
| Data Bases | SnowFlake, ODBC, MySQL, Teradata 15, Oracle 11g/10g, UDB DB2, MS SQL Server 2014. |
| Cloud Technologies | Amazon Web Services: CloudWatch, Elastic Load Balancing, EC2 instances, SQS, IAM, S3 Buckets, Live Pipeline Templates.Google Cloud Platform: Google BigQuery and Google Cloud Storage, Amazon S3, Stored Procedures, Dynamo DB, Amazon RDS, Amazon VPC, Snow SQL, AZURE Services. |
| Big Data Technologies | HDFS, Hive, Pig, Apache Spark, Mongo DB |
| Hadoop Distributions | Cloudera, Hortonworks |
| Spark, Hive | LLAP, Beeline, HDFS, MapReduce, Pig, Sqoop, HBase. |
| DB Tools | SQL\*Plus, SQL\*Loader, TOAD 7.6, TOAD 8.5, SQL Analyzer |
| Scheduling Tools | CloudWatch, Cron, Infosphere DataStage, SAP Data Services Management Console |
| Other Tools | JIRA, Putty, Notepad++, CI/CD, Gitlab, GitHub, Source tree. |
| Development Languages | SQL\*plus, PL/SQL, HTML, XML Unix Shell Scripting, Scala, Python, Ruby, Rspec, MySQL, Java, Snowflake |
| Operating Systems | Windows, Linux, Solaris, Centos, OS X |
| Web Technologies | HTML, XML, JavaScript, HTTP. |
| Methodologies | DBT, Star & Snow-Flake schema Modelling, Fact and Dimensions, Physical and Logical Data Modelling |

**Education:**

Master of Science (MS), Data Science New Jersey Institute of Technology, Newark, USA.

Bachelor of Technology (BTech), Electronics and Communication Engineering, JNTU, Hyderabad, India

**Certifications:**

Artificial Intelligence and Machine Learning: IIT Kanpur

Google Cloud Platform and Machine Learning Fundamentals

Machine Learning for Business Protocols

Industrial IoT on Google Cloud Platform

**Professional Experience**

**Snowflake Engineer**

**Amazon Web Services June 2022 – Till date**

**Project Description:**

Worked as a Snowflake Developer in Amazon Web Services focusing on extracting data from various data sources and processing the data in various cloud environments.

**Responsibilities:**

* Experience in learning architecting data intelligence solutions around Snowflake Data Warehouse and architecting snowflake solutions as developer.
* Involved in Migrating Objects from Teradata to Snowflake.
* Build, create and configure enterprise level Snowflake environments. Maintain, implement, and monitor Snowflake Environments.
* Implement One-time Data Migration of Multistate level data from SQL server to Snowflake by using Python and Snow SQL.
* Load data into snowflake tables from the internal stage using Snow SQL.
* Responsible for maintaining customer SLA within team as well as on an individual level for service requests.
* Worked on POC using Snowflake utilities, Snowflake SQL, Snow Pipe, etc.
* Created and configured Snow Pipe for Delta loads.
* Worked on Query Performance tuning in snowflake through micro partitions.
* Created Virtual Warehouse Sizing for query execution.
* Worked on Snowflake Database, Schema and Table structures.
* Evaluate Snowflake Design considerations for any change in the application.
* Build the Logical and Physical data model for snowflake as per the changes required.
* Worked in monitoring health checks of the Linux server and various modules running in it and fixing the issues by executing shell script.
* Used GIT/GitHub for version control.
* Develop processes for extracting, cleansing, transforming, integrating, and loading data into data warehouse database.

**Environment:** Python, Linux, DB2, SQL, Snowflake, Data Stage, AWS services.

**Thomson Reuters Eagan, NJ**

**Snowflake Developer May 2021 – May 2022**

**Project Description:**

Worked as a Snowflake Developer in Thomas Reuters Eagan focusing on extracting data from various data sources and processing the data in various cloud environments.

**Responsibilities:**

* Work with internal teams to create the migration process of Redshift to Snowflake
* Created reports on Metabase to see the Tableau impact on snowflake in terms of cost.
* Participated in sprint planning meetings, worked closely with manager on gathering the requirements.
* Created tables and views on snowflake as per the business needs.
* Used Tab Jolt to run the load test against the views on tableau.
* Involved in Data Modeling the Dimensional and FACT tables E-R relationship.
* Developing ETL pipelines in and out of data warehouse using Snowflakes SnowSQL Writing SQL queries against Snowflake
* Designed and implemented efficient data pipelines (ETLs) in order to integrate data from a variety of sources into Data Warehouse.
* Snowflake data platform deployed at High Tech - Networking (Juniper Networks), Retail (Netezza migration Petco), Construction (Webcor), Many Snowflake POCs - SaaS (ServiceNow), Parking Data (Parkimon)
* Using Azure data factory create data-driven workflows(pipelines) in the cloud for orchestrating and automating data movement and data transformation.
* Data processing with the help of Azure Data bricks workspace and creating optimized notebooks by Python scripting.
* Data Ingestion and process flow to Enterprise Snowflake Data warehouse.
* Created Terraform scripts for Azure Virtual machines, Virtual Networks, Subnets, Azure SQL, Azure Data Factory, Azure Resource Manager, Storage Account and Service Bus
* Implemented automated data transfer workflow from SQL server to S3.
* Performed data quality issue analysis using SnowSQL by building analytical warehouses on Snowflake.
* Implemented data intelligence solutions around Snowflake Data Warehouse.
* Creating Reports in Looker based on Snowflake Connections.
* Implemented Data Quality framework using AWS Athena, Snowflake, Airflow and Python.
* Developed reusable transformations and mapplets maximize the ETL load performance.
* Implemented parallelism and dynamic caching at Informatica session level to reduce the load durations.
* Worked on SnowSQL and Snow pipe.
* Unit tested the data between Redshift and Snowflake.
* Worked with Interface teams on Snowflake connectivity with reporting layers at SAP BO & Tableau
* Developed complex Stored Procedures for automation of ETL process and data capture from Oracle EBS to ODS and DM tables.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Develop alerts and timed reports Develop and manage Splunk applications.
* Migrate the database 500 + Tables and views from Redshift to Snowflake.
* Redesigned the Views in snowflake to increase the performance.
* Developed Python scripts to take backup of EBS volumes using AWS Lambda and Cloud Watch
* Provided 24\*7 support for Production Migration.

**Environment:** Snowflake, SnowSQL, Redshift, SQL server, AWS, Redshift, EC2, S3, Athena, Lambda, Cloudwatch, Airflow, Talend, Jenkins, Kubernetes, SQL, OBIEE, Python, UNIX, Azure.

**Tata Consultancy Services Nov 2018 – Jan 2021**

**Snowflake Developer**

**Responsibilities:**

* Involved in all phases of SDLC from requirement gathering, design, development, testing, Production, user training and support for the production environment.
* Create new mapping designs using various tools in Snowflake.
* Develop the mappings using needed Transformations in Snowflake according to technical specifications.
* Created complex mappings that involved implementation of Business Logic to load data into the staging area.
* Worked Extensively on Azure SQL Written queries, stored procedures and views
* Worked Extensively on Azure SQL Written queries, stored procedures and views.
* Created File system linked service to extract events from on-prim network folder to data lake.
* Created Snowpipe for continuous data load.
* Involved in End-to-End migration of objects from Sql server to Snowflake.
* Data moved from Sql Server to MS Azure cloud storage & to Snowflake.
* Worked on data factory monitor to check the status of the pipeline runs and triggers.
* Worked on the performance tuning and extracting data between excel and servers using flows.
* Configured and implemented the Azure Data Factory Triggers and scheduled the Pipelines. Monitored the scheduled Azure Data Factory pipelines and configured the alerts to get notification of failure pipelines.
* Extensively worked on Azure Data Bricks with the help of Spark-SQL to implement SCD-1, SCD-2, SCD-3 approach.
* Developed mappings/sessions using Snowflake for data loading.
* Performed data manipulations using various Snowflake transformations like Filter, Expression, Lookup (Connected and Un-Connected), Aggregate, Update Strategy, Normalizer, Joiner, Router, Sorter and Union.
* Developed Workflow using task developer, Worklet designer and workflow designer in Workflow manager and monitored the results using workflow monitor.
* Building Reports according to user requirements.
* Extracted data from Oracle and SQL Server then used Teradata for data warehousing.
* Implemented slowly changing dimension methodology for accessing the full history of accounts.
* Write Shell script running workflows in Unix environment.
* Optimizing performance tuning at source, target, mapping and session level.
* Participated in weekly status meetings, conducted internal and external reviews as well as formal walk-throughs among various teams and documented the proceeding.

**Environment:** Snowflake, SQL Server, AWS Redshift, Hadoop, Spark, Talend, SQL, AWS S3, Cloud Storage, PySpark, Data Lake, Azure Databricks, Azure SQL.

**Quadrant Resource,**

**Snowflake Developer Jan 2015 – June 2018**

**Responsibilities:**

* Implemented Terraform to manage the Azure and GCP Infrastructure using the configuration management tool Jenkins.
* Developed g-cloud function with Python to load Data into Bigquery for on arrival csv files in GCS bucket.
* Process and load bound and unbound Data from Google pub/subtopic to Bigquery using cloud Dataflow with Python.
* Migrating the Data from the On-premises Database server to Azure SQL using the Data factory
* Design, Plan and create Azure virtual machines, Implement and manage virtual networking within Azure and connect to on-premises environments.
* Migrating the client files from a shared server to the Azure SQL using the Data Factory
* Performing the Fortify scan and continuously check for any bugs.
* Automate the deployment and troubleshoot mechanisms for quick service.
* Managing and monitoring the azure cloud resources
* Worked on fixing the azure vulnerabilities.
* Worked on querying and analyzing the logs of the azure resources.
* Implemented Azure Automation Account, Created an Azure Automation Runbook. Storing and using automation assets
* Understanding and using JSON Templates. Using Visual Studio to create and edit JSON templates and deployed JSON templates.
* Worked on implementing the private endpoint to the storage account.
* Worked on implementing the firewall to the storage account and azure SQL to restrict access to particular VM’s and IP address.
* Worked on storing the on-premises files in the azure storage account using the data factory.
* Created Automation scripts to deploying to the higher environments.
* Created Jenkins job to create the azure Infrastructure whenever there is a git push to the bitbucket.
* Developed the automation scripts for the health checks, Online Servers
* Scheduled the health checks of the servers using the task scheduler.
* Loaded the data into database using SSIS.
* Debugging and resolving the azure SQL database errors
* Worked on Hybrid Infrastructure and resolved the vulnerabilities in both cloud and on premises.
* Manage the metrics on azure resources.
* Implemented Azure Application Insights to store user activities and error logging.
* Worked on the Cost Management of Azure resources.
* Debugging and resolving the access issues by going through the logs, domain controller and active directory
* Documented about the Servers lists in all the environments and its details.
* Worked on backup, restore and recovery of the Azure Databases
* Worked on implementing backup methodologies by PowerShell scripts for azure services like Azure SQL Database, Key Vault, Storage blobs, App Services etc
* Worked on improving the existing code and fixing some issues in it after a deep dive through the existing code.
* Migrated all the Service Requests from Jira to the Jira Service desk.
* Generated the scan report by performing the fortify scan on the existing code.

**Environment:** Jenkins, Azure (Virtual machines, Key Vault, Data Factory, Virtual Network, Subnet, Azure SQL, App registrations, Azure Active Directory), Gradle, GIT, Bitbucket, Terraform, SSIS, ETL Jobs, Shell Scripting, Service Now, Jira Service desk, GitHub.