**Saritha Reddy Ragi**

**Professional Summary:**

* Having 11+ years of experience and worked primarily in the domain of Banking and Manufacturing which includes expertise in Data Warehousing ETL-Technologies Azure Data Factory, Azure Data Bricks, SSIS, Snowflake, SQL, Python, DBT Cloud/CLI and Abinitio.
* Gathering business requirements, identifying source and target, applying transformation logic, Implementing Azure Data Factory pipelines, migrating data to Snowflake, Creating Dimensional and Fact tables.
* Handling data in different storage, connecting to various sources, Using Control Flow Tasks, Creating Linked Services and Datasets, Implementing Incremental load strategy, Creating Data bricks Notebooks.
* Expertise in gathering business requirements, identifying source, target and applying transformation logic as per the functional requirements.
* Expertise in implementing Azure Data factory, pipeline components such as linked services, Datasets and Activities.
* Proven track record in optimizing data workflows, enhancing system efficiency, and driving business intelligence initiatives. Strong collaborator, adaptable to evolving project demands, with focus on delivering impactful results through teamwork and innovation. Skilled in SQL, Python, Spark, and cloud platforms, with a strategic approach to data management and problem-solving.
* Experienced with building and maintaining data pipelines to ensure seamless data flow. Utilizes advanced knowledge of big data technologies to drive data-driven decision-making. Track record of enhancing data architecture for improved performance and reliability.
* Driven, analytical, and solution-focused professional with solid foundation in data engineering principles and aptitude for problem-solving.
* Well-versed in data architecture and database management systems, with proficiency in SQL and Python for data manipulation and analysis. Committed to leveraging technical skills to design and implement scalable data solutions, optimizing data workflows, and enhancing data-driven decision-making.
* Transitioning from data-centric environment with focus on developing efficient data solutions and optimizing workflows. Skilled in data architecture, database management, SQL, and Python, with track record of enhancing data-driven decision-making processes. Seeking to apply these transferrable skills in new field, bringing consultative approach to solving complex problems and improving operational efficiency.
* Expertise in Migrating the data to Snowflake RAW zone, applying business transformation logics and creating the Dimensional and Fact tables in final layer of Snowflake. Have knowledge in Azure Key Vault, Logical Apps.
* Expertise in handling data in different storage ADLS, Blob storage and Snowflake. Having experience in connecting to different sources like Azure SQL database, data lake storage , Ascend and blob storage from ADF.
* Experience in Dataflow Components, Control Flow Elements, Connection Managers, Triggers, Azure Function and Durable Functions. Used Control Flow Tasks like Copy Activity, For Each Activity, Get Metadata Activity, If Activity, and Lookup Activity.
* Created the Linked Services for various Source Systems and Target Destinations.
* Created the Datasets for various Source Systems and Target Destinations.
* Implemented Incremental load strategy for loading on daily basis using DBT and ADF.
* Executed and scheduled Power BI refresh from ADF pipelines.
* Created the Data bricks Notebooks using Spark and Python languages to process the Huge Volumes of data as per the Requirement. Worked on ingesting data to Enterprise Data Lake and used spark for analyzing and providing inputs for few reports. Worked on Agile Methodology and reported issues in DSM calls.
* Possess excellent communication and interpersonal skills, agreeable personality, positive attitude, and perseverance to undertake challenging jobs.
* Committed, result oriented, Innovative, hardworking person with quest and zeal to learn new technologies.
* Experienced and enthusiastic Consultant with a track record of success across wide range of industries. Possesses exceptional interpersonal, problem-solving and analytical skills to provide advice and expertise to client organizations improving business performance. Experienced in all aspects of operations, strategy and finance.
* Effective advisor communicates well with people of all ages and backgrounds. Excellent eye for detail enabling quick identification of areas for improvement and suggesting strategies to help businesses reach goals. Focused on introducing efficient systems and processes.

**Technical Skills:**

|  |  |
| --- | --- |
| ETL Tools | ADF, Azure Databricks, Snowflake, Azure Datalake, DBT Cloud/CLI, SSIS, D365, Abinitio |
| Database | Azure Sql, Azure Sql Data warehouse, Snowflake, Teradata |
| Languages | Sql, Python, UNIX Shell Scripting |
| Operating Systems | UNIX/LINUX, Windows |
| Development Models | Scrum/Agile Methodologies |
| Problem-Solving | Time Management |

**Certifications:**

* DBT Cloud certified DBT fundamentals.
* Snowflake Certified SnowPro Core Certication.
* Microsoft Certified: Azure Data Engineer Associate (DP-203)

**Professional Experience:**

**HCL Technologies, Hyderabad May 2022 to Nov 2024**

**Husqvarna Group (Feb 2024 – Nov 2024)**

**Principle Data Engineer**

**Roles & Responsibilities:**

* Gather Business requirements from customers analyze the requirements and convert them to functional documents and further creating the technical document which is further used a design document during development.
* Ingested the data into Snowflake using External tables.
* Worked on the development of loading the data into Snowflake RAW zone and further into consolidated zones.
* Created Fact and Dimensional tables using Data Build tool (DBT Cli) which is further used in creating reports.
* Created/Implemented incremental strategy in DBT models for each of the models required in DBT.
* Performed Unit testing based on client use cases.
* Used GIT as source control to check in code, Deploy the data to higher environments using CI/CD Pipelines which are automated using terraforms.
* Documented all the developments and other technical details which are further used by team as reference.
* Worked on smooth and secure operations of the Azure data and analytics platform.
* Oversee data warehouse and analytics platform from implementation to ongoing operations.
* Manage Azure data pipelines, job schedules, and systems for performance and uptime.
* Maintained up-to-date platform documentation and provide technical support to developers.
* Performed maintenance and troubleshooting for data warehouse and BI platform on Azure.
* Tracked metadata for all data objects in the platform.
* Conduct system monitoring and performance analysis.
* Perform ongoing security controls audit and review for compliance.
* Reviewed system application logs to identify potential issues and improvements.
* Participated in capacity planning, cloud cost analysis, and resource optimization.
* Provided after-hour system and application support.
* Developed and implemented various work plans for projects.
* I participated in Agile ceremonies and Daily standup Meetings actively.
* Worked on issues which user reports in Power BI reports. Back tracked the data throughout the layers and provided correct information.

**Technical Skills:** Snowflake, DBT CLI, ADO, Power BI Dataset, SQL and Python

**Weyerhaeuser Company (May 2022 – Jan 2024)**

**Lead Data Engineer**

**Team Size: 12**

**Roles & Responsibilities:**

* Gather Business requirements from customers, analyze the requirements and convert them to functional documents and further create the technical document which is finally used a design document during development.
* Worked on the development of the Azure SQL DB for migration of data from various ERP and on-premises to cloud Azure Data Lake Storage (ADLS).
* Used Azure Data Factory to implement data pipelines to move data between various sources and data warehouses.
* Created Databricks notebooks and imported them using Notebook activity in ADF.
* Connected to various sources and maintained API connections in Azure functions using Python.
* Used Bronze, Silver and Gold mechanisms to load the data into Azure Data Lake Storage.
* Developed various Azure Data Factory Pipelines to load the data from ERPs to ADLS/Snowflake.
* Used Azure Functions and Durable Functions for orchestrating the pipelines.
* Worked on the development of loading the data into Snowflake RAW zone and further into consolidated zones.
* Created Fact and Dimensional tables using Data Build tool (DBT Cloud) which are further used in creating reports.
* Created macros in the DBT and implemented incremental strategy in DBT models.
* Performed Unit testing based on client use cases.
* Scheduled ADF Jobs to run at various times. Scheduled triggers.
* Implemented Delta load of data using ADF in snowflake RAW and Snowflake Layers.
* Used Azure DevOps as source control to check in code, Deploy the data to higher environments using CI/CD Pipelines which are automated using terraforms.
* Performed administration of Azure data and analytics platform including Azure Synapse, Azure Data Factory, ADLS, and Azure ML/AI.
* Worked on smooth and secure operations of the Azure data and analytics platform.
* Oversee data warehouse and analytics platform from implementation to ongoing operations.
* Manage Azure data pipelines, job schedules, and systems for performance and uptime.
* Maintained up-to-date platform documentation and provide technical support to developers.
* Performed maintenance and troubleshooting for data warehouse and BI platform on Azure.
* Tracked metadata for all data objects in the platform.
* Conduct system monitoring and performance analysis.
* Perform ongoing security controls audit and review for compliance.
* Reviewed system application logs to identify potential issues and improvements.
* Participated in capacity planning, cloud cost analysis, and resource optimization.
* Provided after-hour system and application support.
* Developed and implemented various work plans for projects.
* Involved in bug fixing during UAT and hyper care phase.
* Documented all the developments and other technical details which are further used by team as reference.
* I participated in Agile ceremonies and Daily standup Meetings actively.

**Technical Skills:** Snowflake, Data Build Tool (DBT) Cloud, Azure Data Lake Storage (ADLS), Azure DevOps, Azure Data Factory (ADF), SQL and Python

**Wells Fargo Bank April 2014 to March 2022**

**Systems Operations Engineer**

**Roles & Responsibilities:**

* Worked as L1 &L3 Support Engineer for Enterprise Data Lake, EDQE and EMH related applications.
* Responsible for Maintenance of DCT/DIF/Microservices for various applications.
* Build the graphs to incorporate the transformation logic as per the business requirements.
* Implemented Data Parallelism through graphs, which deals with data, divided into segments and operates on each segment simultaneously through the Ab Initio partition components to segment data.
* Worked in a Sandbox environment while extensively interacting with EME to maintain version control on objects.
* System testing of Abinitio applications and finding the data anomalies with respect to specifications.
* Coordinating with the testing team in promoting the code to production.
* Used Rollup component to populate monthly, quarterly and annual summary tables.
* Worked on improving the performance of Ab Initio graphs.
* Used Jenkins for building and uDeploy for deploying the developed code from Dev environment to UAT for testing and further to PROD.
* Monitored first run in PROD and fix the issues if occurs.
* Handled jobs handover calls to production support team.
* Created/Documented runbooks.
* Worked as L1/L2 Support Analyst for multiple tier 5 applications.
* Responsible in getting the issues addressed within the provided SLA.
* Having good production support knowledge on ETL tool like Ab-Initio.
* Analyzing and fixing the critical issues as a Production Support Engineer for a Unix/Linux Production environment system hosting applications and supporting the daily batches.
* Also responsible for presenting reports to management on the environment from Application performance point of view & reviewing SLA documentation.
* Support Outages, migrations, patching of servers by validating the applications along with game plan preparation.
* Responsible for delivery and team management.
* Expertise in identifying areas of automation & performance optimization to reduce manual effort.
* Monitored the release activities that happened in PROD using Jenkins and uDeploy.
* Actively participated in Daily updates calls and other calls with customers.

**Technical Skills:** SQL, Abinitio, Jenkins, uDeploy, PAC2000, ServiceNow, Splunk

**Education:**

* B. Tech (CSE) Avanthi Institute of Engineering and Technology (JNTUH) in 2013