

## Aditya Anasane

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**SUMMARY:** Data engineer with 5 years of experience in developing ETL pipelines and data integration solutions using tools like Airflow, Python, SQL and Cloud. Avid learner and collaborator with a strong interest in data engineering

### Professional Experience

#### TESLA | DATA ENGINEER INTERN

Fremont, California Jan 2024 – May 2024

- Developed a **Spark SQL**-driven data pipeline to accurately aggregate cost and energy throughput metrics of Powerwall products, resulting in **40% increase** in savings through performance guarantee refunds
- Extracted telemetry data from **AWS S3** data lake and transformed it using **Trino** to support **Tableau** dashboard
- Automated monthly generation of energy throughput reports for HEB Stores by leveraging **Pandas** and **Trino SQL** to query telemetry data helping HEB analyze solar energy usage for 2023 for additional 30% cost savings
- Enhanced data pipeline orchestration by leveraging Airflow's External Task sensors to trigger the dags based on upstream task completion helping reduce application processing times by 50%
- Designed and implemented shared datasets on telemetry data using advanced SQL and Airflow

#### LOWE'S | DATA ENGINEER INTERN

Charlotte, North Carolina May 2023 – Aug 2023

- Engineered an ETL data pipeline utilizing **HiveQL** to query sales data from HDFS, facilitating seamless transfer to the vendor for sales analysis dashboard. This initiative resulted in **20% improvement** in credit-based sales by effectively advertising the benefits to the Pro customer segment, driving revenue growth for Lowe's
- Migrated Apache Oozie jobs to Apache Airflow DAGs resulting in 30% increased pipeline orchestration efficiency
- Created incremental data pipelines using slowly changing dimension concept on POS data and Lowe's metadata
- Achieved data integration between HDFS and GCP storage by using Apache NiFi and data flow (POC)

#### NTT DATA APISERO | SENIOR DATA ENGINEER

India Nov 2019 – July 2022

- Orchestrated data transformation and ingestion into Snowflake using Airflow; implemented a monitoring system that notified pipeline failures, resulting in a remarkable 50% reduction in error resolution (POC)
- Built REST APIs using MuleSoft and deployed to CloudHub for data integration between enterprise systems
- Designed batch processing APIs with retriggers and MuleSoft Object Storage to increase ingestion efficiency of records into MSSQL by 40%
- Led a team** of junior developers and communicated with senior management and clients for project delivery

#### INFOSYS | DATA ENGINEER

India Jan 2017 – Oct 2019

- Implemented data platform solutions for Adidas for enterprise messaging between stores and warehouse apps
- Engineered end-to-end ELT pipelines in Spark-SQL that enabled efficient large-scale data processing, reducing overall job runtimes by 40% compared to Hive
- Reduced server maintenance time by 30% by coding an automation script in Linux BASH
- Decreased error identification time in Linux servers by 20% by setting up monitoring dashboards in Quicksight
- Lowered application deployment time by 50% by automating deployment using Linux BASH scripts and Jenkins

### Projects

- Data processing and storage project for YouTube data analytics using HDFS, Spark and Tableau
- Data warehousing project on Snowflake with AWS S3 integration and data modeling core concepts
- Serverless web app using AWS: AWS Lambda, Amazon API Gateway, AWS Amplify, Amazon DynamoDB, Cognito
- MySQL source table changes to Redshift facilitating migration of data from a RDBMS to an OLAP system

### Education

**Master of Science, Business Analytics – Data Engineering Track**

May 2024

The University of Texas at Dallas, United States

### Skills

**Python, SQL, Spark-SQL, HiveQL, Pandas, Tableau, AWS, Snowflake, S3, Apache Airflow, Kafka, ETL, AWS Glue, Data Modeling, dbT, Trino, BASH, Postgres, Docker, Github, JIRA, Firehose, AWS QuickSight, AWS Lambda, Kinesis**

**Certifications:** AWS Data Engineer Associate (in progress), dbT Fundamentals, Snowflake Hands-On Essentials