

Sravya Meka

Data Engineer

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PROFESSIONAL SUMMARY

Results-driven Data Engineer with 3+ years of experience building cloud-native data pipelines and streamlining data workflows. Specialized in cloud platforms (AWS, Azure) and modern big data tools to support real-time and batch processing. Refined ETL pipelines to enhance processing throughput by 22%, enabling timely access to critical insights for cross-functional business teams.

WORK EXPERIENCE

Data Engineer

Excelsoft

Nov 2024 - Present

Dallas, TX

- Built an end-to-end data pipeline using **Airflow, Python, and S3** for retail sales analytics, leveraging **AWS and Snowflake**, in close partnership with analysts and BI teams, resulting in a 10% reduction in reporting latency and improved data accessibility.
- Performed ingestion and data transformations on retail sales and customer data using **AWS Glue** and **PySpark**, developing fact and dimension database models in Snowflake to support analytics use cases and improve pipeline efficiency by 15%.
- Developed automated workflows to apply data quality checks on sales datasets, ensuring data integrity using procedures and triggers, enabling accurate stock forecasting, helped to reduce overstock costs by 8% quarter-over-quarter.

Data Engineer II

NTTData (RSA)

Aug 2020 - Jul 2022

Hyderabad, India

- Architected a data lakehouse using **Delta Lake** on **Azure** to consolidate historical and streaming data, enabling unified access to raw and curated datasets, which reduced data duplication and lowered storage costs by 12%.
- Implemented data processing scripts using **Python and SQL** to transform and validate policies and claims data, integrating with **Azure data marts** to streamline reporting workflows and cut data preparation time by 14%.
- Configured data governance and data security rules using **dbt** on Azure **Databricks**, centralizing model access and maintaining consistency financial KPI definitions across finance teams.

Data Engineer I

NTTData(Unisys)

Aug 2019 – Jul 2020

- Orchestrated ETL data pipelines using APIs, flat files, and streaming banking data to support both real-time and batch workflows, which improved loan processing efficiency, met service level agreements, and shortened reporting delays by 20%.
- Optimized slow-running Spark SQL queries by collaborating with the data team to clean up logic and reduce complexity, which enhanced query performance by 12% and improved the consistency of daily banking reports.
- Designed interactive dashboards in **Power BI** to monitor credit risk indicators and transaction anomalies in real time, improving data visibility for fraud, compliance, and operations teams across banking units.

TECHNICAL SKILLS

- Programming Languages:** Python (Pandas, PySpark, NumPy), SQL, Java, Shell Scripting, C
- Big Data Technologies:** Apache Spark, Apache Kafka, Apache Airflow, Hadoop, Hive, Snowflake
- Databases/ Data Warehouses:** PostgreSQL, Oracle, NoSQL, Teradata, MySQL
- Cloud Platforms:** AWS (S3, Glue, EMR, Redshift), Azure (Databricks, Delta Lake)
- ETL:** Data Pipeline Development, DBT, Workflow Orchestration, Data Modeling, Data migration
- Visualization & Reporting:** Power BI, Tableau, Looker
- Other Skills:** Git, Jira, Confluence, Data Analysis, Data Quality Management, Agile Development, Unix Utilities, CI/CD, Data Governance, AI, Microsoft Excel, HIPAA.

ACADEMIC EXPERIENCE

End-to-End ETL Data Pipeline for Financial Analytics

- Constructed a fully scalable ETL pipeline using Python, Spark, and Databricks to handle over 500GB of financial data. Integrated it with AWS Redshift for real-time analytics and set up Apache Airflow to manage and monitor workflows with 99.9% uptime.

Data Pipeline for Real-Time Analytics

- Created a real-time streaming pipeline using Apache Kafka, Spark, and AWS Kinesis to process millions of live transactions. Enriched the data in BigQuery and built Power BI dashboards, reducing data delivery latency by 14%.

EDUCATION

Master of Science in Computer Science – Campbellsville University

Aug 2022 – May 2024