ADI VENKAT RAMINENI

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DATA ENGINEER

Results-driven Data Engineer with 4+ years of experience building scalable ETL pipelines and cloud-based data solutions. Improved data workflow efficiency by 40% through automation, performance tuning, and strategic use of Microsoft Azure, AWS, Python, and SQL. Skilled in developing high-performance analytics that drive real-time, data-driven decision-making.

SKILLS

Programming Languages	SQL, Python, Unix Shell Scripting
Big Data & ETL Tools	Apache Spark, Azure Data Factory, PostgreSQL, Kafka, Airflow
Cloud Technologies	Azure, AWS, Snowflake
DevOps & Version Control	Git, CI/CD Pipelines, Jenkins, Terraform, Docker, Kubernetes
Data Visualization	Tableau, Microsoft Power BI, Looker
Software Engineering	System Design, Data Modeling, Data Warehousing, SDLC, Data Quality

WORK EXPERIENCE

Capital One, Remote, USA   **Jul 2023 - Present**

Data Engineer

- **Executed** performance optimizations on Azure Databricks, reducing query response times by 30%, and enhanced data processing workflows, leading to a 20% cost saving on cloud infrastructure.
- **Improved** data quality validation frameworks using Azure Monitor and Log Analytics, reducing errors by 40% and ensuring compliance with financial reporting standards.
- **Collaborated** with cross-functional teams, including data scientists and BI engineers, using Azure Synapse and Databricks, optimizing data pipelines and improving data processing speeds.
- **Led** the transformation of financial reporting systems, utilizing Power BI and T-SQL to deliver real-time insights and improve business intelligence capabilities across the company.
  Key Skills: Azure Data Factory, T-SQL, Python, Azure Databricks, Power BI, Cloud Optimization, Financial Reporting, ETL Automation

Elevance Health, Hyderabad, India   **Feb 2020 – Aug 2022**

Data Engineer

- **Automated** ETL workflows using AWS Glue and Apache Airflow, improving pipeline efficiency by 30% and reducing operational overhead while ensuring real-time data access.
- Improved data transformation workflows using Microsoft SQL and Python, streamlining healthcare claims data processing and reducing time-to-insight by 45%.
- **Partnered** with cross-functional teams to implement AWS Glue and Redshift, enhancing data accessibility and providing real-time analytics for clinical teams.
- **Managed** the integration of EHR and Medicaid data systems into AWS platforms, enabling data-driven decision-making for healthcare providers and enhancing regulatory compliance.
  Key Skills: AWS Glue, Apache Airflow, Redshift, Snowflake, SQL, Python, Tableau, Power BI, EHR Integration, Data Automation, Healthcare Data, ETL Optimization, Real-Time Analytics

PROJECTS

- Designed and deployed a scalable ETL pipeline using Apache Airflow to extract YouTube video metadata, transforming and loading data into PostgreSQL. **Reduced** manual reporting time by 80% and improved data freshness to hourly intervals.
- **Built** a real-time data processing pipeline using Apache Kafka and Spark Streaming to ingest and analyze over 2 million daily banking transactions, reducing fraud detection latency from 30 minutes to under 2 minutes.
- **Created** an automated API and SFTP framework to track 75+ GitHub repositories, boosting release monitoring accuracy by 90%.

CERTIFICATIONS

- Microsoft Certified : Azure Data Engineer Associate

EDUCATION

California State University Northridge, USA   **Dec 2024**

- Master of Science, Computer Engineering, CGPA-3.81/4.00