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 optimization, and strategic use of Azure, AWS, Python, and SQL. Skilled in software design, development, debugging, testing, and agile methodologies to drive real-time, data-driven decision-making.

SKILLS

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

WORK EXPERIENCE

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

Data Engineer

- Led enterprise reporting transformation by integrating PowerCenter ETL with Power BI, enabling real-time insights and enhancing business intelligence capabilities across the company.
- **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.
- Collaborated with cross-functional teams using Azure DevOps and Agile sprints to implement CICD pipelines for ETL jobs, streamlining deployment processes and minimizing production issues.
- **Automated** ETL pipelines using PowerCenter, reducing batch processing time by 40% and increasing job success rate by 25% through improved error handling.
  Key Skills: SQL, Azure DevOps, Data Warehousing, Agile, PowerCenter, ETL Optimization, Azure Data Factory, Python, Power BI

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.
- **Managed** the integration of EHR and Medicaid data systems into AWS platforms, enabling data-driven decision-making for healthcare providers and enhancing regulatory compliance.
- **Improved** data transformation workflows using Microsoft SQL and Python, streamlining healthcare claims data processing and reducing time-to-insight by 45%.
- Worked closely with business analysts and Tableau developers to refine data models in Agile ceremonies, reducing report delivery time by 3 days on average.
  Key Skills: SQL , Python, Tableau, Agile, Redshift, ETL Migration, AWS Glue, PowerCenter, Apache Airflow

PROJECTS

- Designed and deployed a scalable ETL pipeline using Apache Airflow to extract YouTube video metadata, transforming and loading data into PostgreSQL and S3. **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