

ADI VENKAT RAMINENI

❖ San Jose, CA ❖ [E-mail](#) ❖ +1-747-320-7868 ❖ [LinkedIn](#) ❖ [Github](#) ❖ Portfolio

DATA ENGINEER

Results-driven Data Engineer with over 4 years of experience building scalable ETL pipelines, developing cloud-based data solutions, and implementing robust data models. Proven track record of improving data workflow efficiency by 40% through automation, performance tuning, and strategic use of cloud services. Skilled in leveraging Azure and AWS services to automate data processes, enforce data governance, and enable real-time analytics. Dedicated to utilizing expertise in building high-performance analytics platforms to drive data-driven decisions.

SKILLS

Programming Languages	SQL, Python, Unix Shell Scripting
Big Data & ETL Tools	Apache Spark, AWS Glue, Azure Data Factory, 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

- Designed and implemented scalable ETL pipelines using T-SQL, Python, and Azure Data Factory to process and analyze high-volume financial datasets, enhancing data accessibility for business intelligence and analytics teams.
- Built and maintained Azure-based data infrastructure, managing Azure Synapse Analytics, Azure Data Lake Storage (ADLS), Azure Databricks, and Azure Functions to optimize data ingestion, transformation, and storage, reducing query response times by 30%.
- Engineered a high-performance data warehouse by implementing data modeling best practices, leading to a 25% improvement in reporting efficiency for internal finance teams.
- Developed automated data validation and monitoring frameworks using Azure Monitor, Log Analytics, and PowerShell, ensuring data integrity, reducing processing errors by 40%, and improving compliance with regulatory standards.
- Enhanced financial data reporting automation by implementing self-service dashboards in Power BI.
- Led a data security initiative, enforcing Azure Active Directory (AAD), Role-Based Access Control (RBAC), and encryption standards across Azure resources to ensure compliance with internal security policies.

Key Skills: Azure Data Factory, T-SQL, Python, Azure Databricks, Azure Data Lake Storage (ADLS), Power BI, Financial Data Reporting

Elevance Health, Hyderabad, India Feb 2020 – Aug 2022

Data Engineer

- Designed and deployed end-to-end ETL solutions using SQL, Python, and AWS Glue, processing terabytes of healthcare claims and billing data to drive key operational and financial insights.
- Developed scalable data models and warehouses in Amazon Redshift and Snowflake, reducing query execution times by 40% and enhancing analytics capabilities for healthcare decision-makers.
- Led the integration of Electronic Health Records (EHR) and Medicaid billing systems with AWS-based big data platforms, enhancing data interoperability and ensuring compliance with HIPAA and regulatory guidelines.
- Automated ETL workflows and data transformations using AWS Step Functions and Apache Airflow, improving pipeline efficiency and reducing operational overhead by 30%.
- Developed self-service analytics tools leveraging Amazon QuickSight, Tableau, and Power BI, empowering business users with on-demand access to key healthcare metrics.

Key Skills: SQL, Python, AWS Glue, Apache Airflow, Amazon Redshift, Snowflake, Apache Airflow, Spark, Kafka, Tableau

EDUCATION

California State University Northridge, USA Dec 2024

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

CERTIFICATIONS

- Microsoft Certified: Azure Data Engineer Associate