Sravan Kumar Reddy Ramidi

Data Engineer

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LinkedIn Profile

PROFESSIONAL SUMMARY

Dynamic and results-driven Data Engineer with over 2+ years of experience in designing and deploying scalable data infrastructure on cloud platforms like Azure. Proficient in data pipelines, ETL optimization, big data technologies, and building robust data models. Passionate about implementing automation and data processing improvements to drive operational efficiencies. Seeking to leverage expertise in cloud computing, data architecture, and machine learning integration to drive value in a fast-paced, collaborative environment.

PROFESSIONAL EXPERIENCE

Data Engineer
Cognizant Technology Solutions | Chennai, Tamil Nadu | June 2020 – June 2022

- **Designed and orchestrated** ETL pipelines using SSIS and Python improving data management and processing efficiency across diverse data sources.
- **Built an event-driven architecture** with Azure Event Hubs and Service Bus for real-time data streaming and low-latency transaction processing.
- **Managed and processed data** using SQL and optimized queries for large datasets from various formats such as flat files, REST APIs, Hadoop File System (HDFS), Excel, JSON, and XML.
- **Architected and maintained data lakes** on Azure Data Lake Storage to enable efficient handling of large-scale data and cross-functional accessibility.
- **Deployed machine learning models** in Azure Synapse Analytics, enhancing operational efficiency by 25% in order fulfillment workflows.
- **Improved release cycles** by 50% through automated CI/CD pipelines using Azure DevOps, with integrated Kubernetes for container orchestration.
- **Collaborated with cross-functional** teams, including product engineering, data science, and analytics, to drive Agile product delivery and data-driven decision-making.
- **Ensured adherence to software** engineering principles and applied best practices for change management using GIT and other application lifecycle management tools

Data Analyst
Cognizant Technology Solutions | Chennai, Tamil Nadu | Nov 2019 – April 2020

- **Automated** ETL workflows using **SSIS** and **Azure Data Factory**, cutting manual data processing by 40% and improving Power BI reporting accuracy.
- **Designed** and deployed **interactive KPI dashboards** in **Power BI**, integrating with enterprise data sources like SAP and Azure Synapse Analytics, improving real-time insights by 30%.
- **Developed** advanced data models using **DAX**, **Power Query**, and SQL, driving decision-making across supply chain and operations.
- **Built CI/CD pipelines** for Power BI updates using Azure DevOps, ensuring up-to-date KPI tracking and reducing downtime by 35%.
- **Mentored** teams using Power BI to create data-driven workflows, increasing efficiency by 15%.

PROJECTS

360 Business Insight
Dashboard

- **Led** development of data-driven KPI dashboards in Power BI focusing on finance, sales, and supply chain domains, utilizing Star Schema for dimensional modeling, resulting in a 20% increase in decision-making efficiency.
- **Engineered** calculated columns and DAX measures, leveraging optimized fact and dimension tables, improving dashboard performance by 30% through faster query execution and reduced memory usage.
- **Reduced manual updates** by 50% by implementing automated data refreshes in Power BI Service, using scheduled refreshes and direct query connections to maintain real-time data availability.

Atliq Financial Analytics

- **Transformed** large financial datasets using Power Query, reducing processing times by 30%.
- **Developed** pivot-based models for advanced financial reporting, providing actionable insights that increased accuracy by 25%.

EDUCATION

Masters in Data Science
Wichita State University, Wichita, KS | August 2022 – May 2024

Bachelor of Science (Mathematics, Statistics, Computer Science)
Aurora's Degree & PG College, Hyderabad, India | June 2017 – October 2020

TECHNICAL SKILLS

- **Cloud Platforms**: Azure, AWS (Lambda, Redshift, S3), GCP
- **Big Data Tools**: Hadoop, Spark, Kafka, Hive
- **Data Pipelines**: Azure Data Factory, Apache Airflow, ETL
- **Databases**: SQL, NoSQL, PostgreSQL, MongoDB, Cassandra
- **Programming Languages**: Python, Scala, Java
- **Data Modelling**: Star schema, Snowflake schema, Data lakes, Warehousing
- **CI/CD Tools**: Jenkins, Docker, Kubernetes, Terraform
- **Machine Learning**: TensorFlow, Scikit-learn, Spark ML
- **Automation**: Infrastructure as code, Terraform, Ansible
- **Security**: RBAC, Azure Key Vault, Data Encryption, Compliance Auditing
- **DevOps & Monitoring**: Azure DevOps, Jenkins, Grafana, Prometheus

CERTIFICATIONS

- **Azure Data Engineer Associate** – Microsoft (in progress)
- **Power BI Certification** – Codebasics | June 2024
- **SQL Certification** – Codebasics | August 2024

ACHIEVEMENTS

- Reduced data processing times by 40% through automation and optimization of data pipelines.
- Enhanced order fulfilment operations by 25% using machine learning models in Azure Synapse.
- Led cross-functional collaboration between engineering, analytics, and product teams, driving operational efficiencies.