

Jayanth Balina

Data Engineer

+19402187753 ◇ jayanthbalina135@gmail.com ◇ Denton, Texas, United States ◇ Open to Relocate ◇ [LinkedIn](#)

SUMMARY

Experienced Data Engineer and Analyst with expertise in designing data workflows and infrastructure on Azure and AWS. Proficient in big data technologies, real-time processing, and data visualization. Skilled in building and optimizing ETL pipelines to enhance data efficiency, quality, and accessibility. Adept at creating interactive dashboards and reports to support data-driven decision-making for stakeholders.

EDUCATION

Master's in Computer science, University of North Texas (GPA: 3.7) Jan '23 — Dec '24
Denton, United States

- Focused on specialized coursework in data engineering and optimization techniques to enhance skills directly applicable to the field of data engineering.

Bachelor's in Electronics and Communication Engineering, JNTU Kakinada (GPA: 3.5) Aug '15 — Aug '19
Kakinada, India

- Capstone project focused on implementing data-driven solutions within an engineering context, demonstrating practical application of technical expertise relevant to Data Engineering.

EXPERIENCE

Data Engineer/Data Analyst Dec '21 — Dec '22
IQVIA Bengaluru, India

- Designed and implemented data workflows using Azure Data Factory, improving data movement and transformation efficiency by 40%.
- Architected and maintained scalable data lakes with Azure Data Lake Storage Gen2, enhancing data organization and retrieval speed by 50%.
- Leveraged Azure Databricks for data exploration, manipulation, and model building, resulting in a 30% increase in data quality and actionable business insights.
- Expanded expertise in Spark Structured Streaming with Kafka, facilitating real-time data processing and analysis, which improved data processing speed by 35%.
- Developed interactive dashboards and reports using Power BI and Azure Synapse Analytics, supporting data-driven decision-making and increasing reporting efficiency by 45%.
- Implemented robust security measures and compliance protocols, ensuring data integrity and confidentiality, thereby reducing data breaches and incidents by 20%.

Associate Data Engineer/ Data Analyst Nov '19 — Dec '21
UST Hyderabad, India

- Designed, implemented, and supported data lake infrastructure using AWS big data stack (Redshift, S3, Glue, EMR), streamlining data integration and reporting processes and improving efficiency by 50%.
- Utilized batch and streaming data architectures for real-time data ingestion and processing, enhancing data accessibility and reducing data latency by 40%.
- Developed ETL pipelines and data models, which improved data processing and transformation efficiency by 60%, supporting both ad-hoc and pre-built reporting requirements.
- Conducted performance tuning for data queries and applications, boosting system efficiency and reliability by 80%, ensuring alignment with SLAs and performance targets.
- Collaborated closely with cross-functional teams, including business stakeholders and data analysts, to gather requirements and deliver data solutions aligned with business goals and requirements.

SKILLS

Programming Languages Python, Java, SQL
Databases MySQL, Oracle, PostgreSQL, Microsoft SQL Server, MongoDB, Cassandra, Azure Cosmos DB
Big Data Technologies Hadoop, PySpark, Hive, Cloudera, Kafka, Snowflake, Apache Airflow
Cloud Platforms Amazon S3, AWS Lambda, AWS Glue, Amazon Redshift, EMR, Athena, Kinesis, Azure Databricks, Azure Data Lake Storage
Data Visualization and BI Tools Tableau, Power BI

CERTIFICATIONS

Microsoft Certified Azure Data Engineer Associate
Microsoft