

Ajith Suraparaju Data Engineer

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Summary Of Qualification

Experienced Data Engineer with 3+ years in building and optimizing data pipelines using Python, SQL, and big data tools like Apache Spark and Kafka. Improved data processing speeds by 40% through efficient ETL processes. Skilled in cloud platforms such as AWS and Azure and proficient in data warehousing with Redshift and Snowflake. Seeking to apply expertise in a Data Engineering role.

Technical Skills

Programming & Scripting: Python, SQL, NoSQL

Data Engineering & Big Data: Apache Spark, Hadoop, Hive, Databricks, AWS Glue, AWS EMR, Kafka, PySpark

Data Warehousing & Storage: Snowflake, MongoDB, PostgreSQL, AWS Redshift, S3, Amazon Athena

Data Visualization: Power BI, AWS Quick Sight

Cloud Platforms: AWS Services, Azure Services

Tools & Other: GitHub, Data Governance with AWS Lake Formation

Professional Experience

Big Data Engineer | Kohler Co.

Remote, USA | January 2024 - Present

Technologies: SQL, Python, Hive, Hadoop, MongoDB, AWS Lake Formation, AWS QuickSight

- Built and optimized big data solutions with **Hadoop** and **Hive**, enabling the organization to process and analyze over 1 billion records daily, improving operational efficiency by 25%.
- Enhanced data governance using **AWS Lake Formation**, ensuring data privacy and compliance by implementing automated role-based access controls.
- Integrated and managed NoSQL databases like **MongoDB** for high-performance data storage, reducing query response times by 30% for high-volume transactions.
- Created real-time analytics dashboards with **AWS QuickSight**, delivering key performance indicators to leadership and reducing decision-making time by 20%.
- Automated data quality checks in ETL processes, increasing data accuracy and reducing manual error correction efforts by 40%.

Data Engineer | Pacs

Indiana, USA | May 2023 – December 2023

Technologies: Python, SQL, Apache Spark, AWS Glue, AWS EMR, Redshift, S3, Power BI, Kafka, Databricks

- Designed and maintained scalable ETL pipelines using **Apache Spark** and **AWS Glue**, reducing data processing times by 40% and increasing data accessibility across departments by 30%.
- Engineered data ingestion processes with **AWS EMR** and **Databricks**, enabling real-time processing of large datasets and improving data analysis speeds by 50%.
- Optimized data warehousing using **AWS Redshift** and **S3** to handle high-volume transactions, achieving a 35% reduction in storage costs while enhancing data retrieval efficiency.
- Implemented data streaming solutions with **Apache Kafka**, supporting fault-tolerant, real-time data pipelines with 99.9% uptime, scaling operations for business demands.
- Developed interactive dashboards in **Power BI** to visualize key metrics, providing stakeholders with actionable insights and reducing manual reporting time by 60%.

Jr Data Engineer | MoneyTap

Pune, India | June 2020 – July 2022

Technologies: PySpark, SQL, AWS Redshift, PostgreSQL, Amazon Athena, Kafka, Azure Services

- Developed real-time data pipelines with **PySpark** and **Amazon Athena**, facilitating fraud detection and transaction monitoring with 30% faster alert generation.
- Implemented secure data warehousing solutions on **AWS Redshift** and **PostgreSQL**, achieving a 25% increase in storage efficiency and data security compliance.
- Deployed and managed event-driven data **streams** using **Apache Kafka** on **Azure**, enabling distributed processing with a 99% reliability rate and reducing data lag.
- Utilized SQL for complex data transformations, optimizing query performance and enhancing data accessibility for business intelligence applications.
- Collaborated with cross-functional teams to deliver integrated solutions, aligning data engineering projects with business needs and boosting adoption rates by 15%.

Education

Master of Science in Data Science | Indiana Wesleyan University

Indiana, USA | April 2024

Bachelor of Science in Computer Science and Engineering | Sri Venkateshwara University

Tirupati (AP), India | May 2020

Certification

AWS Certified: Data Engineer Associate | Sep 2024

Microsoft Certified: Azure Data Fundamentals | May 2024