

RITIK RAJ

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Summary

- Results-driven Data Engineer with 2+ years of experience designing, building, and optimizing cloud- native data pipelines and ETL workflows. Skilled in AWS (Lambda, S3, Glue, Redshift), Apache Airflow, and DBT. Strong in Python, SQL, and CI/CD automation. Proven record of delivering scalable, reliable, cost-efficient data solutions that improve analytics and business decision-making.

Skills

- Cloud / Platform:** AWS (EC2, S3, Lambda, Glue, Athena, Redshift, EventBridge), GCP
- DevOps / Tools:** Docker, GitHub/GitLab, CI/CD, Terraform (familiar)
- Data Engineering:** Apache Airflow, DBT, ETL, SQL, Redshift
- Programming:** Python, C++
- Datastores:** DynamoDB, RDS
- GenAI / APIs:** OpenAI API (project experience)

Experience

- Virtusa | Associate Data Engineer** Jan 2024 – Present
Hyderabad, India
 - Designed and deployed 30+ Apache Airflow DAGs to orchestrate end-to-end ETL workflows with retries and dynamic scheduling..
 - Integrated DBT models into Airflow pipelines to automate transformations and data quality tests for analytics consumers.
 - Improved pipeline reliability automated monitoring and error-handling strategies, reducing production downtime.
- Virtusa | Cloud Engineer Intern** Jan 2023 – Apr 2023
Chennai, India
 - Managed and automated cloud resource deployments on GCP, focusing on performance, security and cost-efficiency.

Projects

- Product Description Generator with AWS Integration** Aug 2024 – Sep 2024
 - Built a serverless application that generates product descriptions using OpenAI's API.
 - Implemented AWS Lambda, API Gateway and DynamoDB for a scalable backend and persisted generated outputs for review.
- Data Migration (Azure to AWS) | Client: Air Liquide** Oct 2024 – Present
 - Orchestrated full-scale data migration workflows from Azure Blob Storage to AWS S3 using Apache Airflow.
 - Developed DBT models to transform and validate migrated datasets, and integrated automated tests and monitoring.

Education

- B.Tech, Computer Science Engineering** – Lovely Professional University, Phagwara Punjab 2019 – 2023
CGPA: 7.67 / 10.0
- XII (CBSE)** – DAV Public School, Bokaro Jharkhand 2019
Marks: 69.30%
- X (CBSE)** – St Paul High School, Hajipur Bihar 2017
GPA: 8.6 / 10.0

Certifications

- AWS Certified Developer – Associate (June 2024).
- Google Cloud Certified – Associate Cloud Engineer (March 2023).
- Airflow Fundamentals (Credly Badge, Dec 2024).
- Oracle Certified GEN AI Professional (Oct 2024).

Achievements

- Completed Serverless, Networking, Security and Data Analytics labs on SkillBuilder; badges available on Credly.
Credly Badges: Badge1, Badge2, Badge3, Badge4, Badge5

Languages

- English (Professional), Hindi (Native)