

Hritik Singh

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PROFESSIONAL SUMMARY

Data Engineer with strong experience in designing, building, and optimizing **cloud-native data pipelines** across **AWS and GCP**. Skilled in **ETL, CDC, data warehousing, analytics platforms, and automation**. Proven ability to deliver scalable batch and near real-time data solutions enabling business intelligence, cost optimization, and data-driven decision-making.

TECHNICAL SKILLS

Data Engineering: ETL Pipelines, CDC, Data Lakes, Data Warehousing, Data Modeling, Schema Design

Cloud Platforms: AWS (Glue, DMS, Lambda, RDS, EC2, S3, Athena, CloudFormation, QuickSight), GCP (BigQuery, Cloud SQL, Pub/Sub, DataProc, Looker)

Languages: Python, SQL, PySpark, Scala

Databases: PostgreSQL, MySQL, SQL Server, Oracle, MongoDB, DynamoDB, Redis

Analytics & BI: Amazon QuickSight, Power BI, Looker

Streaming (POC): Kafka, Flink, GCP Pub/Sub

DevOps & Automation: Git, CI/CD, Docker, Linux

EXPERIENCE

Associate Data Engineer, Workmates Core2Cloud, Kolkata

Dec 2023 – Present

- Designed and implemented **scalable batch and near real-time data pipelines** across AWS and GCP.
- Migrated **5+ PostgreSQL RDS databases** using AWS DMS with schema conversion and data validation.
- Built **AWS Glue (PySpark) ETL pipelines** ingesting data from GCP Cloud SQL into Amazon Redshift.
- Implemented **Incremental Data Archival** on S3 reduce storage cost from infra level.
- Migrated **100+ tables** from MySQL to PostgreSQL using incremental synchronization strategies.
- Delivered **SQL Server to Amazon Redshift CDC pipelines** supporting enterprise BI dashboards.
- Built **serverless analytics and cost monitoring solutions** using Lambda, S3, Athena, QuickSight, and CloudFormation.
- Developed **POC streaming pipelines** using Kafka, Flink, and GCP Pub/Sub for event-driven ingestion.
- Enabled **analytics-ready datasets** in BigQuery and Redshift consumed by Looker and QuickSight.
- Collaborated with stakeholders to define **data architecture, KPIs, and governance standards**.

CERTIFICATIONS

- **Google Cloud - Associate Cloud Engineer** [View]
- **AWS Certified Data Engineer - Associate** [View]
- **AWS Certified Machine Learning Engineer - Associate** [View]
- **AWS Certified AI Practitioner** [View]
- **Google Cloud - Professional Data Engineer** [View]
- **GitHub Foundations** [View]

AWARDS

Customer Engagement Champion - Database Team: Recognized by Core2Cloud for delivering high-impact, client-focused data engineering solutions across India.

EDUCATION

Master of Computer Applications (MCA), Techno India University
CGPA: 8.64

Aug 2022 – Jul 2024

Bachelor of Computer Applications (BCA), Techno Main Saltlake
CGPA: 9.34

Aug 2019 – Jul 2022