RASHI GUPTA

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PROFESSIONAL SUMMARY

SSoftware & Data Engineer with 2 years of experience designing, developing, and automating scalable data pipelines and cloud-native services using Python, SQL, Airflow, and Google Cloud Platform (GCP). Experienced in end-to-end delivery of high-performance systems across on-prem and cloud environments—migrating legacy workflows to modern orchestration, deploying event-driven real-time feeds, and implementing CI/CD pipelines. Collaborated with engineering teams to design and automate cloud data solutions that improved scalability, reliability, and processing efficiency.

CORE SKILLS

Linux operating system | Control-M job scripts | Python scripting | Apache Airflow | Juniper Data Ingestion Tool | Google Cloud Platform (BigQuery, Composer, GCS) | AWS (basic) | Shell scripting | SQL | Jenkins CI/CD | Version control (Git) | ITIL awareness | Troubleshooting | Problem-solving | Resolve issues | Reliability | Ability to work independently

PROFESSIONAL EXPERIENCE

HSBC India (https://www.hsbc.co.in) — Data Engineer (Aug 2023 – Present)

- Migrated 200+ on-prem data pipelines to Apache Airflow on GCP, accelerating delivery by 2 hours for institutional clients (Addepar, BlackRock, and others) while enhancing data accuracy.
- Led a 4-member team on multi-region projects, implementing raw data storage, daily archival, and historical loading with deduplication to ensure consistency and scalability.
- Transitioned 33 Juniper feeds to Airflow, removing legacy dependencies and streamlining ingestion workflows for greater reliability and monitoring efficiency.
- Designed and launched SQL-based analytics reports for Apple Pay insights, enabling faster data-driven decisions and improving fraud detection rates by 15%.
- Built parameterized, reusable ETL frameworks across multiple markets, reducing new data source onboarding time by 40% and promoting modular, maintainable solutions.
- Implemented a real-time Juniper feed to stream data from source systems to GCP Pub/Sub, enabling near real-time data availability and improving downstream analytics performance.
- Collaborated cross-functionally with engineering, operations, and business teams to deliver scalable, high-quality solutions aligned with organizational goals.
- **Tech Stack**: GCP (BigQuery, Composer, GCS), Apache Airflow, Control-M, Juniper, Python, SQL, Unix, Jenkins, Git

KPMG Australia (https://home.kpmg/au) — Data Analyst Intern (Feb 2021 – Dec 2022)

- Automated data validation and transformation using Python scripts, cutting manual processing time by 40%.
- Performed data quality assessments and applied statistical techniques (Pareto, histograms, correlations) to extract actionable insights.
- Strengthened data governance through enhanced reporting and monitoring practices.
- Provided troubleshooting support for data discrepancies and partnered with stakeholders to ensure timely issue resolution.

EDUCATION

B.Tech in Information Technology
SRMCEM, Lucknow, Dr. A.P.J. Abdul Kalam Technical University (2019–2023) | 8.0 CGPA

CERTIFICATIONS

- Google Cloud Infrastructure and App Modernization (LinkedIn)
- Learning BigQuery (LinkedIn)
- SQL for Data Science (LinkedIn)
- AWS Essential Training for Developers (LinkedIn)
- Problem-Solving Techniques (LinkedIn)
- Google Cloud Professional Data Engineer Cert Prep - Ongoing (LinkedIn Series)
- GCP Professional Data Engineer Certification – Planned (Target: March 2026)

ACHIEVEMENTS

- Awarded Employee of the Month (Engineering Excellence) for leading automation of test data pipelines.
- Awarded Employee of the Month (Business Delivery) for end-to-end ownership and successful production delivery of MYH HUB RDL historical data load across 31 tables.
- Actively contributed to team culture and engagement, winning 2nd place in the HTI Dance Competition.