

Apoorv Tyagi

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Dear Hiring Manager,

I am writing to express my interest in the Cloud Data Engineer position at your organization. With over seven years of hands-on experience designing, optimizing, and deploying scalable data pipelines across cloud and on-premises environments, I am confident that my technical background and problem-solving mindset align well with your team's goals.

In my current role at Deutsche Bank, I have led the design and optimization of cloud-native data pipelines using GCP services such as BigQuery, Cloud Composer, and Cloud Functions. Notably, I reduced webhook pipeline latency from **90 seconds to 15 seconds** and improved API authentication reliability by introducing token caching and concurrency-safe refresh mechanisms, cutting redundant calls by more than 90%. I also spearheaded the use of Terraform and GitHub Actions for automated Composer DAG management—enhancing deployment reliability and version control practices.

Prior to this, at Infosys, I engineered high-performance ETL/ELT pipelines using Dataflow, Python, and Mage for telecom clients, ensuring scalable and reliable data processing. My tenure at Tata Consultancy Services further strengthened my expertise in data modeling, Airflow orchestration, and performance optimization for large analytical workloads in BigQuery. These experiences have enabled me to build a strong foundation in end-to-end data lifecycle management—from ingestion and transformation to orchestration, storage, and visualization.

My certifications as a **Cloud Architect** and **Cloud Data Engineer** validate my deep understanding of cloud architecture, automation, and optimization. I also bring practical experience in containerization (Docker, Kubernetes), DevOps (Terraform, GitHub Actions), and monitoring (Falco, Prometheus, Grafana). Beyond technical acumen, I take pride in mentoring peers, collaborating cross-functionally, and continuously improving systems to deliver measurable business value.

I am particularly drawn to your company's commitment to innovation and data-driven decision-making. I am excited by the opportunity to contribute my expertise in cloud data engineering to help scale and optimize your data ecosystem.

Thank you for considering my application. I look forward to the opportunity to discuss how my experience and skills can contribute to your team's success.

Sincerely,

**Apoorv Tyagi**