SHANKAR D

Full Stack Data Engineer

📞 +91-9962351954 | ✉ shankardhanapal1@gmail.com

PROFESSIONAL SUMMARY

Full Stack Data Engineer with 7+ years of experience in Google Cloud Platform (BigQuery, Dataflow, Pub/Sub, GCS), Python, Hadoop, Mainframe, PySpark, Teradata, and modern ETL tools. Skilled at building scalable data pipelines, optimizing workflows, and driving cost savings through performance tuning. Experienced in regulatory compliance projects, data stewardship, and enterprise ingestion frameworks, with proven ability to deliver end-to-end ingestion solutions and support business users.

CORE SKILLS

• **Cloud & Big Data:** GCP (BigQuery, Dataflow, Pub/Sub, GCS), Hadoop, Hive, PySpark
• **Programming & Databases:** Python, SQL, Teradata, DMExpress, COBOL, JCL
• **Data Engineering:** ETL Development, Batch & Streaming Ingestion, Data Quality & Governance
• **Automation & Tools:** Airflow, Autosys, Git, Jenkins, Unix Shell Scripting
• **Other:** Dataflow Optimization, Compliance Solutions, Performance Tuning

PROFESSIONAL EXPERIENCE

Altimetrik Pvt Ltd – Senior Engineer (Dec 2022 – Present)

Client: Ford

• Developed and enhanced ingestion tool patterns to load data into BigQuery from multiple sources (On-Prem, Mainframe, APIs, GCS).
• Took ownership of end-to-end ingestion processes, from landing zone to curated layers and publishing views for end-user consumption.
• Acted as Data Steward for major applications, ensuring data quality, lineage, and governance compliance.
• Worked across both batch and streaming ingestion pipelines, enabling near real-time availability of data.
• Optimized Dataflow pipelines, achieving $60,000 annual cost savings.
• Provided ongoing support to business users, ensuring high availability and quick resolution of ingestion-related issues.

Tata Consultancy Services – System Engineer (Dec 2017 – Nov 2022)

Client: Bank of America

• Designed and developed a control checks module ensuring accurate and compliant FDIC return submissions into the SOR.
• Worked on FDIC sourcing for multiple Deposits applications, streamlining compliance reporting and data consistency.
• Contributed to applications handling third-party bank failures, ensuring business continuity.
• Implemented and optimized W transformation processes to support regulatory compliance and reporting efficiency.

PROJECTS & TOOLS DEVELOPED

• **Dataset Validation Tool (Python):** Built a tool to validate BigQuery naming standards across the organization, ensuring compliance and consistency.
• **Automatic DDL Comparison Tool (Python):** Automated comparison of table/view DDLs across Teradata servers, reducing manual effort and enabling faster validation.

EDUCATION

🎓 Bachelor of Engineering (Mechanical)
Rajalakshmi Institute of Technology, Chennai – 2017 (85%)

CERTIFICATIONS

Google Cloud Professional Data Engineer