SUDIP BANDOPADHYAY

Lead/Senior Data Engineer (GCP/Azure) | Data Scientist

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# Professional Summary

Seasoned Lead Data Engineer with 14 years of experience in data engineering, cloud platforms (GCP, Azure), and data science. Proven expertise in building high-performance data pipelines, cloud migration, machine learning model deployment, and enterprise integration using Oracle and BigQuery. Recognized for delivering cost-saving, scalable data solutions and mentoring high-performing teams.

# Technical Skills

* Cloud Platforms: Google Cloud Platform (GCP), Microsoft Azure, Oracle Cloud Infrastructure (OCI)
* GCP Services: BigQuery, Dataproc, Dataflow, Cloud Storage, Vertex AI, Airflow, Pub/Sub, Looker
* Azure Services: Azure Fabric, ADF, Azure Databricks, DevOps, Synapse Analytics
* Databases: Oracle, SQL Server, MySQL, PostgreSQL, Snowflake
* ETL Tools: Oracle Data Integrator (ODI), Informatica
* Languages: SQL, PL/SQL, Python, PySpark, UNIX
* ML Tools: TensorFlow, Keras, Scikit-learn, Jupyter, Looker, Pandas, NumPy
* Other Tools: Docker, Kubernetes, DBT, Git, Jira, Confluence

# Certifications

* Microsoft Certified: Fabric Data Engineer Associate – 06/2025
* Google Cloud Certified - Professional Data Engineer – 04/2025
* Microsoft Certified: Azure Data Scientist Associate – 06/2024
* Oracle Cloud Infrastructure Foundations Associate – 07/2022
* Oracle Data Integrator 12c Implementation Specialist – 08/2019
* Oracle SOA Suite 11g Implementation Specialist – 12/2016

# Professional Experience

## Tata Consultancy Services – Lead Data Engineer | Data Scientist | Data Integration Specialist

Kolkata, India / Whiteley, UK | 07/2014 – 05/2025

* Migrated on-prem Oracle data warehouses to GCP BigQuery using DataFlow, Pub/Sub, and GCS, improving scalability and reducing costs by 40%.
* Built ETL pipelines using GCP tools like Dataflow, Airflow, and Dataproc; created scalable data warehouse solutions in BigQuery.
* Led a team of 10 engineers and delivered a £2M+ ML project on customer propensity modeling.
* Designed and built interfaces using Oracle Fusion Middleware (ODI, SOA Suite) for enterprise data integration.
* Enhanced data accuracy by 60% and accelerated delivery through effective stakeholder engagement.

## Infosys Limited – ODI/ETL Developer

Chennai, India | 08/2011 – 07/2014

* Developed ETL solutions that improved process efficiency by 25%.
* Collaborated with QA and production support teams to ensure smooth go-live and operations.

# Education

Bachelor of Technology – Electrical Engineering

West Bengal University of Technology, India | 2011

# Additional Information

* Languages: English, Hindi, Bengali
* Awards: Best Performer of the Month (twice), Best Team Award
* Qualities: Willing to travel, self-driven, tech-passionate, strong public speaker