

Shekar Golla

Senior Data Infrastructure & Cloud Engineer | Data Engineer | AI/ML Practitioner

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Professional Summary

Senior Data Infrastructure & Cloud Engineer with 12+ years of experience managing enterprise-scale Oracle database systems across banking, aviation, and healthcare domains. Since 2020, actively working on Data Science and AI/ML initiatives including data preprocessing, feature engineering, model development, and deployment using Python-based frameworks. Expert in high-availability architectures (RAC, ASM, Data Guard, Exadata), cloud migrations (AWS & GCP), and performance optimization. Focused on building scalable data pipelines and intelligent data-driven solutions in cloud-native environments.

Technical Skills

- Data Engineering & ETL Pipelines
- Machine Learning & AI (Scikit-learn, Pandas, NumPy, EDA, Model Deployment)
- Cloud Computing: AWS (SAA Certified), Google Cloud Platform (ACE)
- Oracle 19c/12c/11g, RAC, ASM, Exadata, GoldenGate
- High Availability & Disaster Recovery (RMAN, Data Guard)
- SQL Optimization & Performance Tuning (AWR, ADDM)
- Python, Shell Scripting
- Linux (RHEL, OEL), IBM AIX, Solaris

Professional Experience

HCL Technologies – Lead Database, Cloud & AI/ML Engineer (2022 – Present)

- Leading migration of multi-terabyte Oracle databases from on-premise to AWS and GCP environments.
- Contributing to AI/ML initiatives including dataset preparation, feature engineering, model validation, and deployment support.
- Developed Python-based data processing workflows for analytics and ML pipelines.
- Managed RAC, ASM, and Standby architectures ensuring high availability and resilience.

- Designed RMAN-based backup and disaster recovery strategies.
- Performed proactive performance tuning reducing critical query execution time.

Sabre Travel Technologies – Team Lead DBA & Data Analytics Contributor (2017 – 2022)

- Managed Exadata environments supporting global airline clients.
- Led team of 18 DBAs managing production & non-production environments.
- Supported analytics and reporting use cases through advanced SQL and data extraction workflows.
- Executed on-prem to AWS/GCP cloud migrations.
- Implemented database refresh and automation strategies.

Certifications

- AWS Certified Solutions Architect – Associate
- Google Cloud Associate Cloud Engineer