MAYURI KALE

Data Engineer | Cloud & DevOps Enthusiast

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SUMMARY

Data Engineer with hands-on experience in building distributed systems, automating cloud infrastructure using Terraform, and implementing CI/CD pipelines. Proficient in SQL, Python, AWS, and Jenkins, with expertise in job scheduling using ETL and Autosys. Strong background in database management with MySQL, Teradata, development of data workflows, and real-time data processing.

PROFESSIONAL EXPERIENCE

Morgan Stanley, Associate (Professional)   **Apr 2023 – May 2025**

Contributed to a large-scale modernization initiative focused on decommissioning mainframe systems by reengineering data pipelines on distributed architectures.

1. Legacy Mainframe Modernization – FX Rate

Developed and migrated FX Rate data pipelines to ingest spot rates and reference data from upstream systems into the Finance Data Repository (FDR) on Teradata, replacing legacy mainframe jobs. Built comprehensive data workflows including Autosys jobs, ETL processes, transformers, validators, and load scripts, resulting in enhanced performance and improved system scalability.

2. CI/CD Automation for Commodities Data Flow

Designed and implemented an advanced automation framework to streamline Commodities data flow using modern DevOps practices.

Configured and integrated tools within the CI/CD pipeline, including: SonarQube for unit testing and code quality analysis, JMeter for performance and load testing, JProfiler for application profiling and performance tuning and Security scanners to enforce compliance and vulnerability management.

3. IaC - Cloud Infrastructure Automation

Provisioned and deployed AWS infrastructure components (S3, RDS, EC2) using Terraform, enabling scalable, consistent, and infrastructure-as-code deployments to support data platform needs.

Wellness Forever, Jr Executive Application Support   **July 2022 - Apr 2023**

In the capacity of Site Reliability Engineer (SRE)

1. Developed and maintained SQL queries to support reporting, perform data validation, and conduct root cause analysis for production issues.

2. Monitored and supported application-level data workflows, executing system diagnostics and troubleshooting to ensure data integrity, system reliability, and continuous operational performance.

INTERNSHIP

Internship, Wellness Forever   **Oct 2021 - June 2022**
- Built Spring Boot workflows to consolidate retail store data.
- Coordinated testing and validation, ensuring compliance with industry standards.
- Provided technical expertise, contributing to a 15% reduction in system failures.

Internship, KANALYTICS   **Feb 2021 - Sep 2021**
- Created Python scripts for web scraping and JSON data transformation.

SKILLS

- **Languages & Tools:** Python, SQL, Shell, Git, JIRA, Jenkins, ETL, Java
- **Cloud & DevOps:** AWS, Terraform, CI/CD, Bitbucket, Autosys
- **Data Technologies**: Teradata, Oracle, MySQL, Databricks
- **Others**: Jupyter Notebook, HTML, CSS

EDUCATION

University Of Mumbai
- MCA (Master of Computer Application) - Bharthi Vidyapeeth Institute, Navi Mumbai - Year 2022
- BSC (IT) – Pune Vidyarthi Griha's Science & Technology, Mumbai – Year 2018

ADDITIONAL INFORMATION

- **Languages:** English, Hindi, Marathi.

- **Certifications:**
  - Python (Basic) – HackerRank
  - Python Pandas – Great Learning
  - SQL (Basic, Intermediate, Advanced) – HackerRank
  - Problem Solving (Intermediate) – HackerRank
  - Databricks Accredited Lakehouse Fundamentals - Databricks Academy
  - Core Java – Certification Course
  - Diploma in Computer Applications

- **Activities:** Self-motivated, Communicating, Motivating People, Positive thinker Problems Solving, Playing Badminton, Listening music, Explore new places.