

RIAZ KASIM

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Summary

Cloud Data Engineer with 3.5+ years of experience designing and deploying data pipelines using AWS services.

Key achievements include:

- Mentored two junior team members on AWS S3 lifecycle policies and Glacier archiving, enhancing team skills and enabling a 40% reduction in storage expenditures.
- Automated provisioning of infrastructure and services such as Glue jobs, Lambda functions, and CloudWatch using AWS CloudFormation.
- Established automated weekly backups of 500+ Security Hub alerts to S3 using a serverless architecture, bolstering data availability for compliance audits and optimizing database performance by 15%.

KEY SKILLS

- **Languages:** Python, YAML, Amazon States Language
- **Database Languages:** MySQL, MS SQL, Hive Query Language, PostgreSQL, Impala
- **Version Control:** GIT, Jenkins
- **Big Data Ecosystem:** Hadoop, HDFS, Map Reduce Hive, Sqoop, PySpark
- **Visualization:** MS Excel, Tableau
- **Ticketing/Project Management Tool:** JIRA, Rally

WORK EXPERIENCE

Infinite Computers Solutions

Jul, 2022 – Present

Senior Data Engineer

- Remediated critical data discrepancies in **PostgreSQL** databases reported by **QA**, resolving 95% within SLA by analyzing **source-to-target data flow** and updating **stored procedures**; reduced data errors by 40%.
- Implemented a cost-effective storage solution using **AWS S3** lifecycle policies and Glacier for archiving, reducing storage costs by 40% while maintaining data accessibility and meeting stringent regulatory requirements. **AWS Vault, S3, EC2**.
- Established fully automated data ingestion workflows utilizing **AWS Glue, Lambda**, and **CloudWatch**, supporting BI and analytics teams; configuration change success rate increased to 99% with **CloudFormation** templates.
- Established automated pipeline to export **AWS Security Hub** alerts to S3 using CloudWatch Events and IAM roles; facilitated compliance reporting and resolved 90% of data ingestion errors weekly.
- Develop and maintain **ETL pipelines** using **Python** and **PySpark** in **AWS Glue** and **AWS Lambda**, enabling robust and efficient data ingestion, transformation, and delivery.
- Engineered **Jenkins pipelines** and **Nested Stacks** to streamline infrastructure deployments across environments.

- Orchestrated a centralized **Git** repository system, improving code collaboration among 5+ database engineers and enabling streamlined tracking of stored procedure updates and deployment changes.
- Assessed Amazon **Redshift Serverless** for cost-effective data warehousing, projecting potential savings of 15% compared to existing solutions by optimizing resource allocation and reducing overhead.

TCS, Hyderabad

System Administrator

Feb, 2020 - May, 2021

- Fortified system defenses by implementing multi-factor authentication across 500+ user accounts, resulting in a 60% reduction in security breach incidents and exceeding compliance standards.
- Pinpointed root causes for 10+ previously uncategorized system failures by analyzing system logs, earning recognition as the team's go-to expert in diagnosing complex issues.
- Streamlined user access controls and system hardening by implementing firewall rules and enforcing backup policies, safeguarding data for 500+ users.
- Automated system administration tasks using Python Selenium to automate intensive logging processes, reducing logging workflow by 80%.
- Enhanced team efficiency by developing internal technical documentation and IT policies, achieving approximately 90% efficiency improvement.

CERTIFICATIONS

- ❖ **Data Science 360 | AnalytixLabs | Bangalore**
 - Data analytics and visualization using Tableau, Excel, Python and SQL
 - Data Science Specialization using Python
- ❖ **Certified Big Data Engineer | AnalytixLabs | Bangalore**
 - Hive Query Language, MongoDB, Kafka, Sqoop, PySpark, ML, NumPy
- ❖ **Oracle Cloud Infrastructure 2025 Certified Foundations Associate**
 - [Credentials](#)

EDUCATION

- **GITAM University** Vishakhapatnam, AP
Bachelor's Degree in B.Sc. Computer Science 2016-2019

PERSONAL DOSSIER

- Address: Dowlaiswaram, Rajahmundry, Andhra Pradesh -533125
- Languages: Telugu, Hindi, English