Vinay A S

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Professional Summary

Result-oriented AWS Data Engineer with 3 years of hands-on experience in designing, building, and maintaining scalable data pipelines and cloud infrastructure on AWS. Proficient in ETL processes, data migration, automation, and big data solutions with strong skills in Python, SQL, and AWS services like S3, Redshift, Glue, Lambda, and EMR. Adept at collaborating with cross-functional teams to deliver data-driven solutions that support business objectives.

Education

Bachelor of Engineering in Electronics and communication.
Siddagnag instituion of Technology, Karnataka
Graduated: 2020

Experience

Data Engineer
Ahana system and solution, Bangalore
June 2022 – June 2024
- Built and supported scalable data pipelines using Python and SQL.
- Automated data validation and transformation processes to ensure data quality.
- Integrated data from multiple sources into Redshift and DynamoDB.
- Developed monitoring dashboards using CloudWatch metrics to track pipeline health.
- Assisted in optimizing query performance and data storage costs.
Key Achievements:
- Improved data ingestion success rate from 90% to 99.5% by enhancing error handling.
- Played a key role in the migration project from traditional ETL tools to AWS-native solutions.
- Developed and maintained ETL pipelines using AWS Glue and PySpark to process large datasets from diverse sources
- Automated data ingestion from on-premise systems to AWS S3 using Lambda and Python
-Designed Redshift data warehouses to support reporting and analytics with efficient schema design.
Managed infrastructure using AWS CloudFormation templates for deployment consistency.
- Configured and monitored job workflows using Apache Airflow and AWS CloudWatch.
-Developed and maintained ETL pipelines using AWS Glue and PySpark to process large datasets from diverse sources.
- Automated data ingestion from on-premise systems to AWS S3 using Lambda and Python.
- Designed Redshift data warehouses to support reporting and analytics with efficient schema design.
- Managed infrastructure using AWS CloudFormation templates for deployment consistency.
- Configured and monitored job workflows using Apache Airflow and AWS CloudWatch.
- Collaborated with analytics and business teams to ensure data availability and accuracy.

Linux Administrator.
astTECS Pvt Ltd, Bangalore.

1.Install, configure and administer Redhat 7 ,Ubuntu

2.Create files and directories at user and root level.
3,Job scheduling and automating process using CRON & AT
4.Create and manage users and service accounts on Linux systems.
5.Create directory symbolic links for users as requested.
6.Adding new development user accounts, removing users, resetting user accounts in RHEL to allow new developer Ĭs access to servers.
7.Managed repositories and led in installing packages using YUM & RPM.
8.Monitor and control disk space usage as well as swap space management.
9.Monitored system activities like CPU, Memory, Disk and Swap space usage

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I worked from 2020 to 2021 in Manufacturing company

Wistron communication pvt ltd.

Technical Skills

- Cloud Platforms: AWS (S3, EC2, Redshift, Glue, Lambda, EMR, RDS, CloudWatch, IAM)
- Programming: Python, SQL, PySpark, Shell Scripting
- ETL Tools: AWS Glue, Apache Airflow
- Big Data: Hadoop, EMR, Spark
- Databases: Redshift, MySQL, PostgreSQL, DynamoDB
- DevOps Tools: Git, Jenkins, CloudFormation, Terraform (basic)
- Data Visualization: Amazon QuickSight, Tableau (basic)
- Operating Systems: Linux, Windows

Certifications
- AWS Certified Solutions Architect – Associate
- AWS Certified Data Analytics – Specialty (In Progress)

Projects
- Data Lake Implementation on AWS: Built a scalable data lake using S3, Glue, and Redshift for handling structured and unstructured data with lifecycle policies to optimize storage costs.
- Real-time Data Processing: Implemented real-time log processing using AWS Lambda, Kinesis, and Redshift for business-critical analytics.
Keywords for ATS
AWS Data Engineer, Data Pipelines, ETL, S3, Redshift, Glue, Lambda, EMR, PySpark, CloudFormation, Airflow, SQL, Python, Data Migration, Data Lake, CloudWatch, Big Data, Data Integration, Automation