### \*\*Job Title: AWS Data Engineer\*\*

\*\*Location:\*\* [Remote/On-site/Hybrid]

\*\*Experience:\*\* [X+ years in Data Engineering]

#### \*\*Job Summary:\*\*

We are looking for a skilled \*\*AWS Data Engineer\*\* to design, build, and maintain scalable data pipelines and infrastructure on AWS. The ideal candidate will have strong expertise in \*\*SQL, Python, and AWS data services\*\*, ensuring efficient data processing, storage, and analytics. You will collaborate with data scientists, analysts, and other engineers to deliver robust data solutions.

#### \*\*Key Responsibilities:\*\*

- \*\*Design & Develop Data Pipelines:\*\*

- Build and optimize high-performance ETL/ELT pipelines using \*\*AWS Glue, Lambda, Step Functions, and Airflow\*\*.

- Implement data ingestion from multiple sources (databases, APIs, streaming data) into \*\*AWS S3, Redshift, RDS, or Aurora\*\*.

- \*\*SQL & Data Modeling:\*\*

- Write complex \*\*SQL queries\*\* for data transformation, aggregation, and analysis.

- Design and maintain \*\*star/snowflake schemas\*\*, ensuring optimal performance in \*\*Redshift or Athena\*\*.

- \*\*Python & Automation:\*\*

- Develop \*\*Python scripts\*\* for data processing, automation, and API integrations (Pandas, PySpark, Boto3).

- Implement serverless functions using \*\*AWS Lambda\*\* for event-driven workflows.

- \*\*AWS Cloud Data Services:\*\*

- Manage and optimize \*\*AWS services\*\* like \*\*S3, Redshift, Glue, EMR, Kinesis, DynamoDB, and Lake Formation\*\*.

- Ensure data security and compliance using \*\*IAM, KMS, and encryption\*\* best practices.

- \*\*Performance & Monitoring:\*\*

- Optimize query performance in \*\*Redshift, Athena, or RDS\*\* (partitioning, indexing, tuning).

- Set up monitoring and alerts using \*\*CloudWatch, Datadog, or similar tools\*\*.

- \*\*Collaboration & Best Practices:\*\*

- Work with cross-functional teams to understand data requirements.

- Implement \*\*CI/CD pipelines\*\* for data workflows using \*\*AWS CodePipeline, GitHub Actions, or Terraform\*\*.

#### \*\*Required Skills & Qualifications:\*\*

- \*\*Must-Have:\*\*

- Strong proficiency in \*\*SQL\*\* (complex queries, optimization, window functions).

- Expertise in \*\*Python\*\* (ETL, data processing, scripting).

- Hands-on experience with \*\*AWS data stack\*\* (S3, Glue, Redshift, Lambda, Athena, etc.).

- Knowledge of \*\*data warehousing\*\* concepts (dimensional modeling, partitioning).

- \*\*Nice-to-Have:\*\*

- Experience with \*\*Spark (PySpark)\*\* for big data processing.

- Familiarity with \*\*IaC tools\*\* (Terraform, CloudFormation).

- Knowledge of \*\*streaming data\*\* (Kinesis, Kafka).

- AWS certifications (\*\*AWS Certified Data Analytics, AWS Certified Solutions Architect\*\*).

#### \*\*Why Join Us?\*\*

- Work with cutting-edge \*\*AWS cloud technologies\*\*.

- Opportunity to build \*\*scalable data solutions\*\* from scratch.

- Collaborative environment with \*\*data-driven decision-making\*\*.