Job Description:

As a Data Engineer at Bill Gosling Outsourcing, you will play a crucial role in designing, building, and maintaining our data infrastructure to support advanced analytics and data-driven decision-making. You will work closely with Business Analysts, Data Analysts, and other stakeholders to ensure the availability, quality, and performance of our data assets. The ideal candidate will have a strong background in data engineering, with experience in data warehousing, ETL processes, big data technologies, and managing AWS services for data lake and Redshift solutions.

Key Responsibilities:

1. Design, develop, and maintain scalable and robust data pipelines to ingest, process, and store large volumes of structured and unstructured data from various sources using AWS services such as Amazon S3, AWS Glue, Amazon Kinesis, and AWS Data Pipeline.

2. Collaborate with Business Analysts, Data Analysts, and other stakeholders to understand data requirements and implement solutions that address their needs.

3. Develop and optimize ETL processes, ensuring data quality and integrity throughout the data lifecycle using AWS Glue and other ETL tools.

4. Monitor and maintain data infrastructure performance, proactively identifying and resolving bottlenecks or issues using Amazon CloudWatch and other monitoring tools.

5. Implement and manage data storage solutions, including data lakes and Redshift data warehouses, ensuring optimal performance and scalability using AWS services such as Amazon S3, AWS Lake Formation, and Amazon Redshift.

6. Design and implement data models that support efficient querying and reporting using Amazon Redshift, Amazon Athena, and other querying tools.

7. Stay current with industry trends, best practices, and emerging technologies in data engineering and big data, with a focus on AWS services.

8. Ensure data security and access control by managing permissions and policies using AWS Identity and Access Management (IAM).

Qualifications:

1. Bachelor's degree in Computer Science, Engineering, or a related field; a Master's degree is a plus.

2. A minimum of 3 years of experience in data engineering or a related field, preferably within the [industry] sector.

3. Proficiency in programming languages such as Python, Java, or Scala.

4. Strong experience with ETL tools and processes, as well as data warehousing concepts.

5. Experience with big data technologies such as Hadoop, Spark, or Flink is a plus.

6. In-depth knowledge of AWS services for data lake and Redshift management, including Amazon S3, AWS Glue, Amazon Redshift, Amazon Athena, AWS Lake Formation, AWS Data Pipeline, Amazon Kinesis, AWS Lambda, and AWS Identity and Access Management (IAM).

7. Familiarity with relational and NoSQL databases, such as PostgreSQL, MySQL, MongoDB, or Cassandra.

8. Strong problem-solving, analytical, and critical thinking skills.

9. Excellent verbal and written communication skills, with the ability to collaborate effectively with both technical and non-technical team members, including Business Analysts.

10. Self-motivated, with the ability to work independently and adapt to a fast-paced, dynamic environment.