

Data Engineering Skills Assessment Survey

Instructions:

Rate your proficiency in each of the following areas on a scale of 1 to 5, where:

1 - No experience

2 - Basic understanding

3 - Intermediate proficiency

4 - Advanced proficiency

5 - Expert proficiency

Additionally, provide examples or descriptions of your experience where applicable.

1. Programming Skills

1.1 Python

- Rating (1-5):

- Examples/Experience:

1.2 Java/Scala

- Rating (1-5):

- Examples/Experience:

1.3 SQL

- Rating (1-5):

- Examples/Experience:

1.4 Shell Scripting

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- Rating (1-5):
- Examples/Experience:

2. Data Modeling

2.1 Relational Database Design

- Rating (1-5):
- Examples/Experience:

2.2 Data Warehousing Concepts

- Rating (1-5):
- Examples/Experience:

2.3 Data Lake Architecture

- Rating (1-5):
- Examples/Experience:

3. ETL Processes

3.1 ETL Tools (e.g., Apache NiFi, Talend)

- Rating (1-5):
- Examples/Experience:

3.2 Data Transformation Techniques

- Rating (1-5):
- Examples/Experience:

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4. Big Data Technologies

4.1 Hadoop Ecosystem (HDFS, MapReduce)

- Rating (1-5):

- Examples/Experience:

4.2 Apache Spark

- Rating (1-5):

- Examples/Experience:

4.3 Kafka

- Rating (1-5):

- Examples/Experience:

5. Cloud Platforms

5.1 AWS (Redshift, S3, EMR)

- Rating (1-5):

- Examples/Experience:

5.2 Google Cloud Platform (BigQuery, Dataflow)

- Rating (1-5):

- Examples/Experience:

5.3 Azure (Azure SQL Data Warehouse, Data Factory)

- Rating (1-5):

- Examples/Experience:

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6. Data Governance and Security

6.1 Data Privacy Regulations (e.g., GDPR, CCPA)

- Rating (1-5):

- Examples/Experience:

6.2 Data Encryption and Security Protocols

- Rating (1-5):

- Examples/Experience:

7. Machine Learning and Analytics

7.1 Understanding of Machine Learning Algorithms

- Rating (1-5):

- Examples/Experience:

7.2 Experience with Analytical Tools (e.g., Pandas, NumPy)

- Rating (1-5):

- Examples/Experience:

8. Communication and Collaboration

8.1 Experience with Agile Methodologies

- Rating (1-5):

- Examples/Experience:

8.2 Team Collaboration Tools (e.g., JIRA, Confluence)

- Rating (1-5):

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- Examples/Experience:

8.3 Documentation Skills

- Rating (1-5):

- Examples/Experience:

9. Problem-Solving and Critical Thinking

9.1 Troubleshooting Data Pipeline Issues

- Rating (1-5):

- Examples/Experience:

9.2 Optimizing Data Storage and Retrieval

- Rating (1-5):

- Examples/Experience:

10. Continuous Learning

10.1 Keeping Up with Industry Trends

- Rating (1-5):

- Examples/Experience:

10.2 Participation in Professional Development (e.g., Courses, Certifications)

- Rating (1-5):

- Examples/Experience:

Overall Comments:

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Describe any other relevant skills or experiences not covered above.