

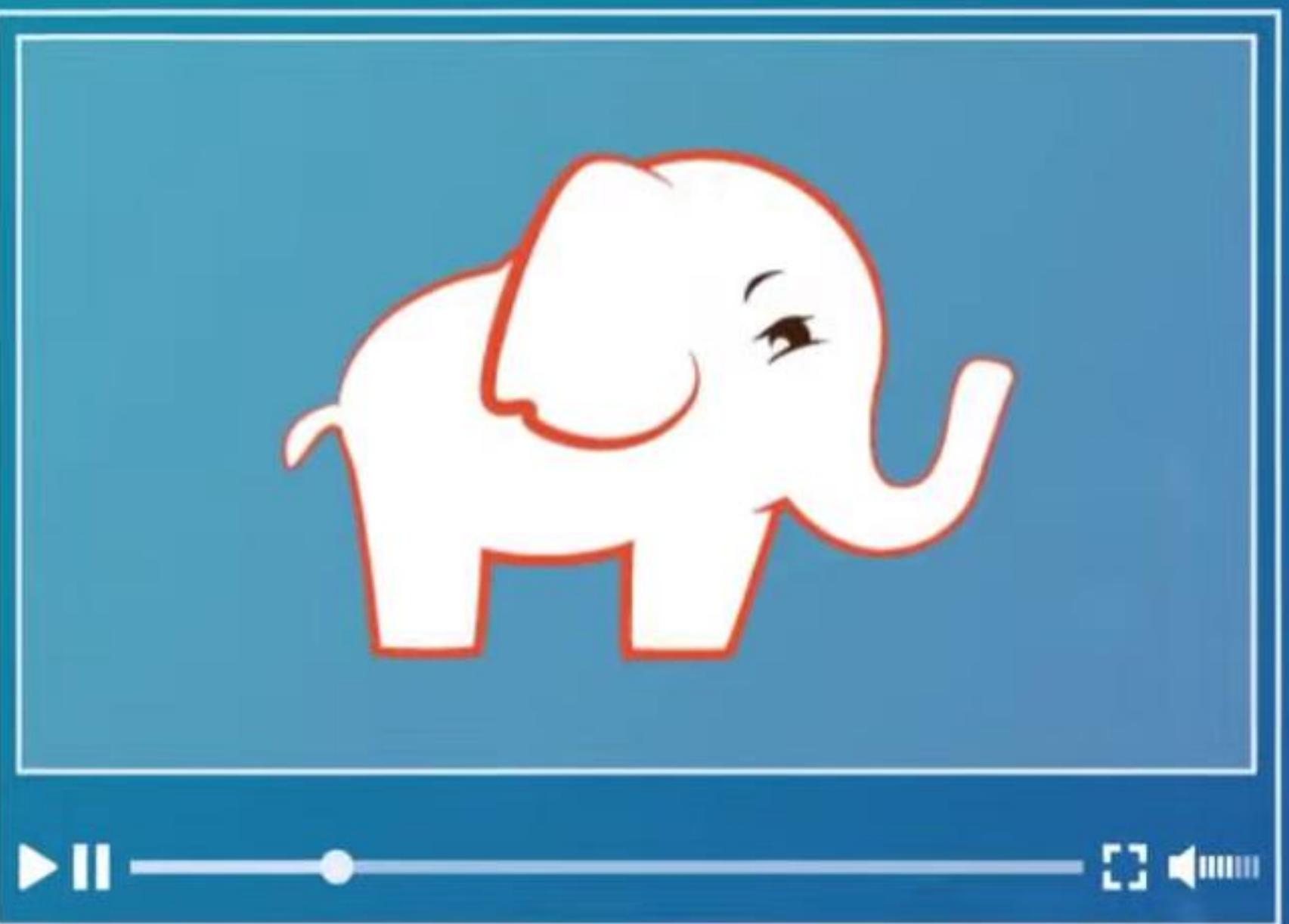
LIVE 

# How To Become a Big Data Engineer?

- Who is Big Data Engineer?
- Big Data Engineer Roles and Responsibility
- Learn the skills required for Big Data Engineer

**edureka!**

For more information, please visit : [www.edureka.co](http://www.edureka.co)

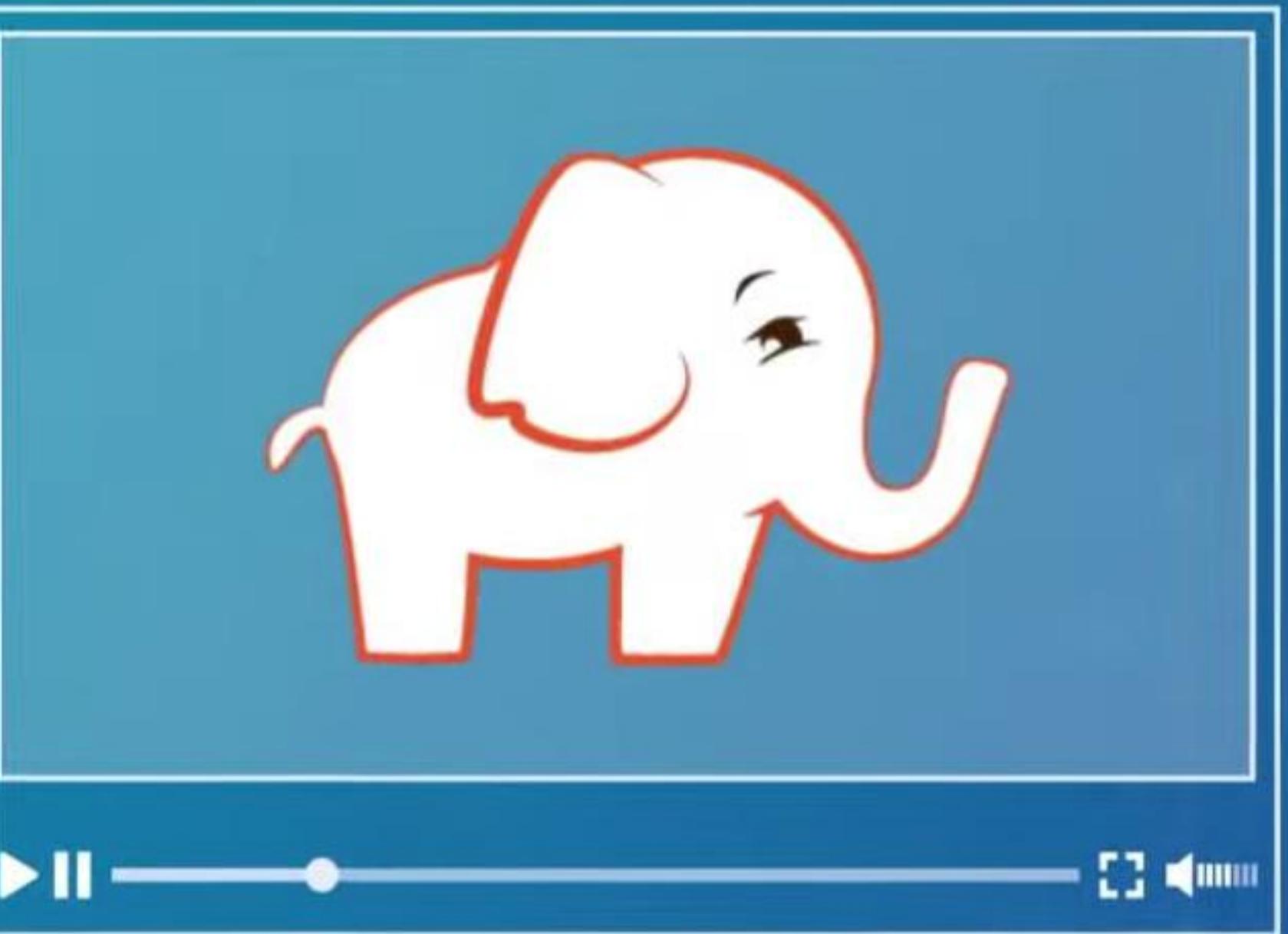


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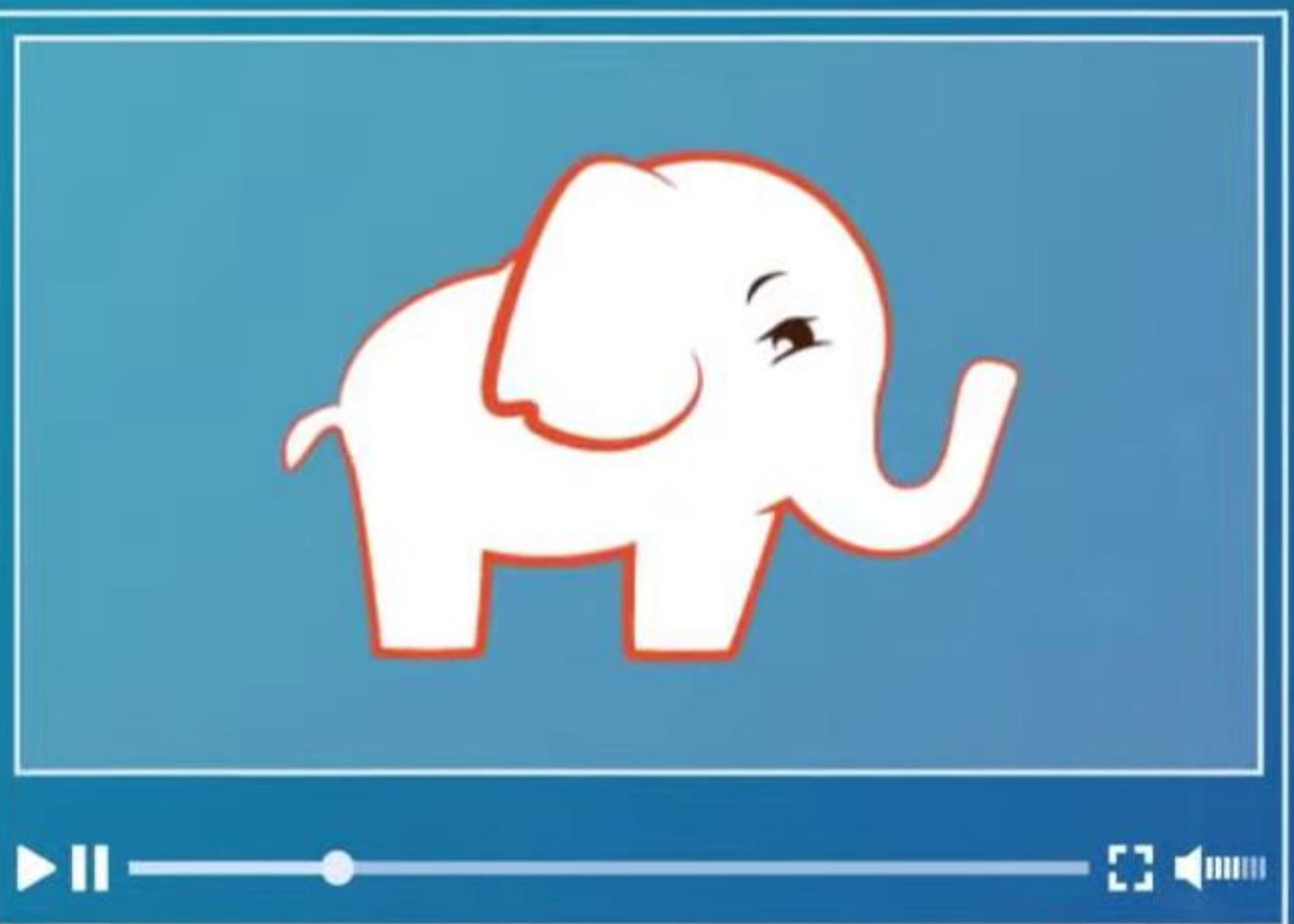


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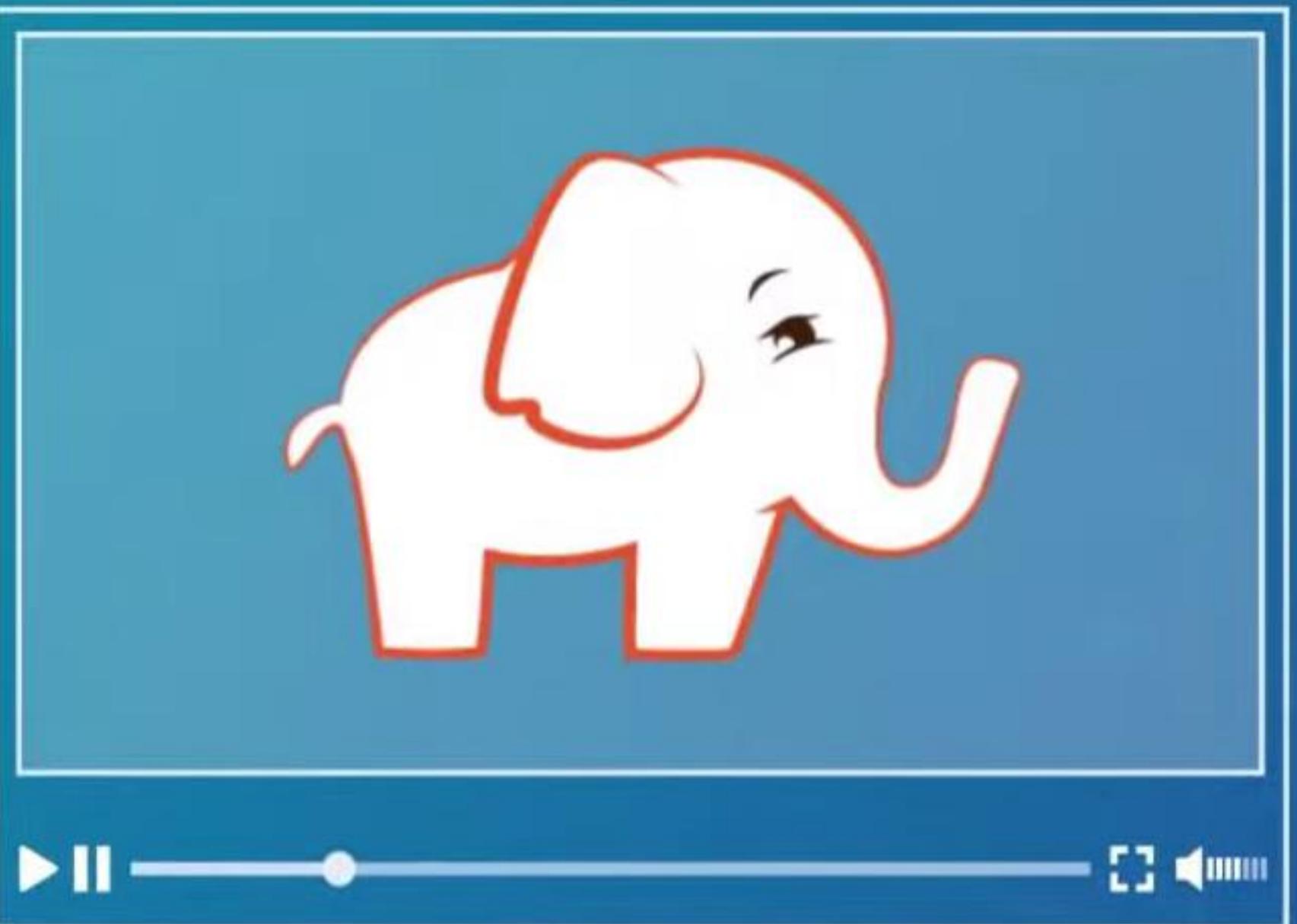


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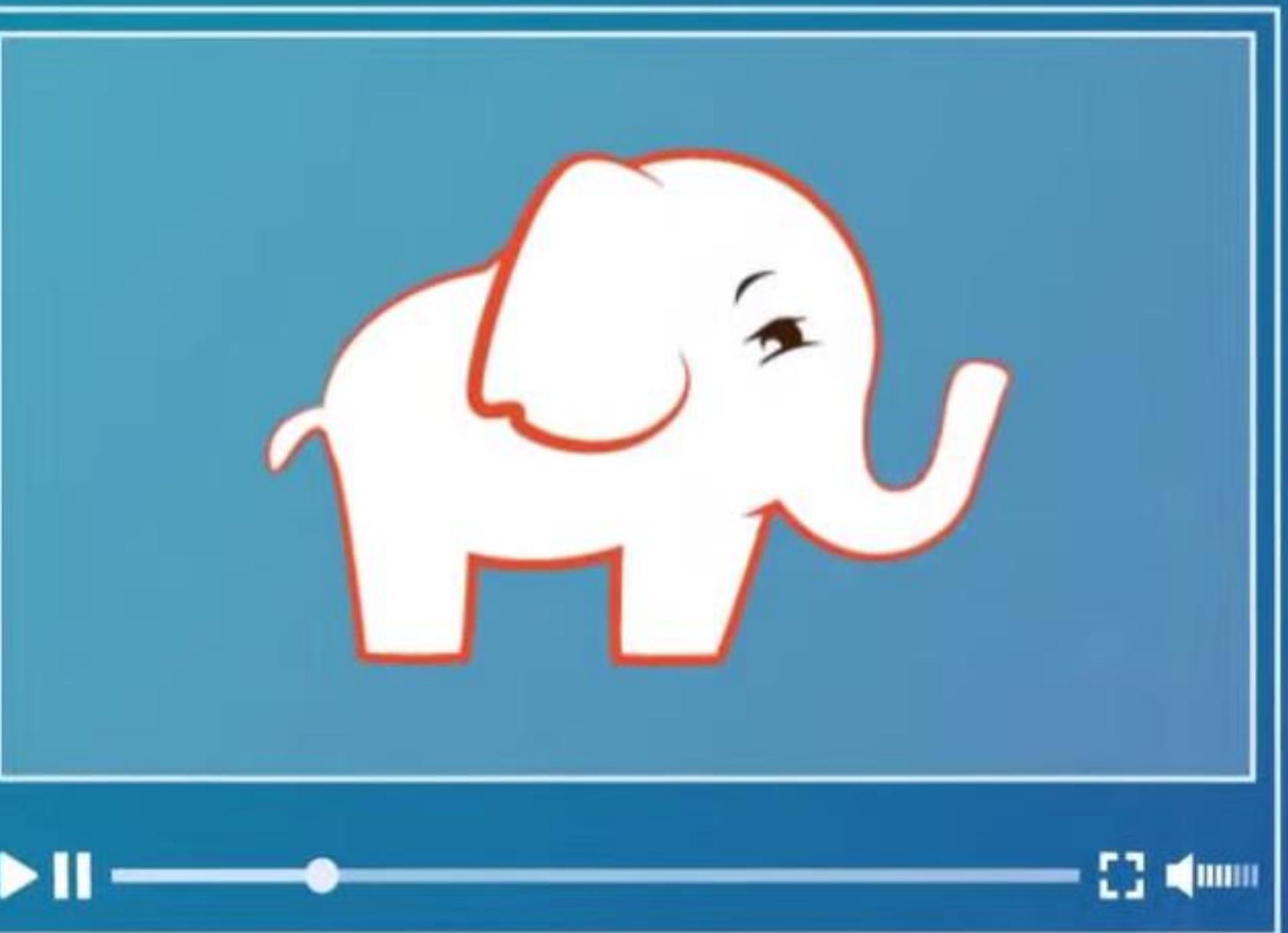
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# AGENDA



- ✓ Who is a Big Data Engineer?
- ✓ What do a Big Data Engineer do? 
- ✓ Big Data Engineer Responsibilities
- ✓ Big Data Engineer Skills
- ✓ Big Data Engineering Learning Path

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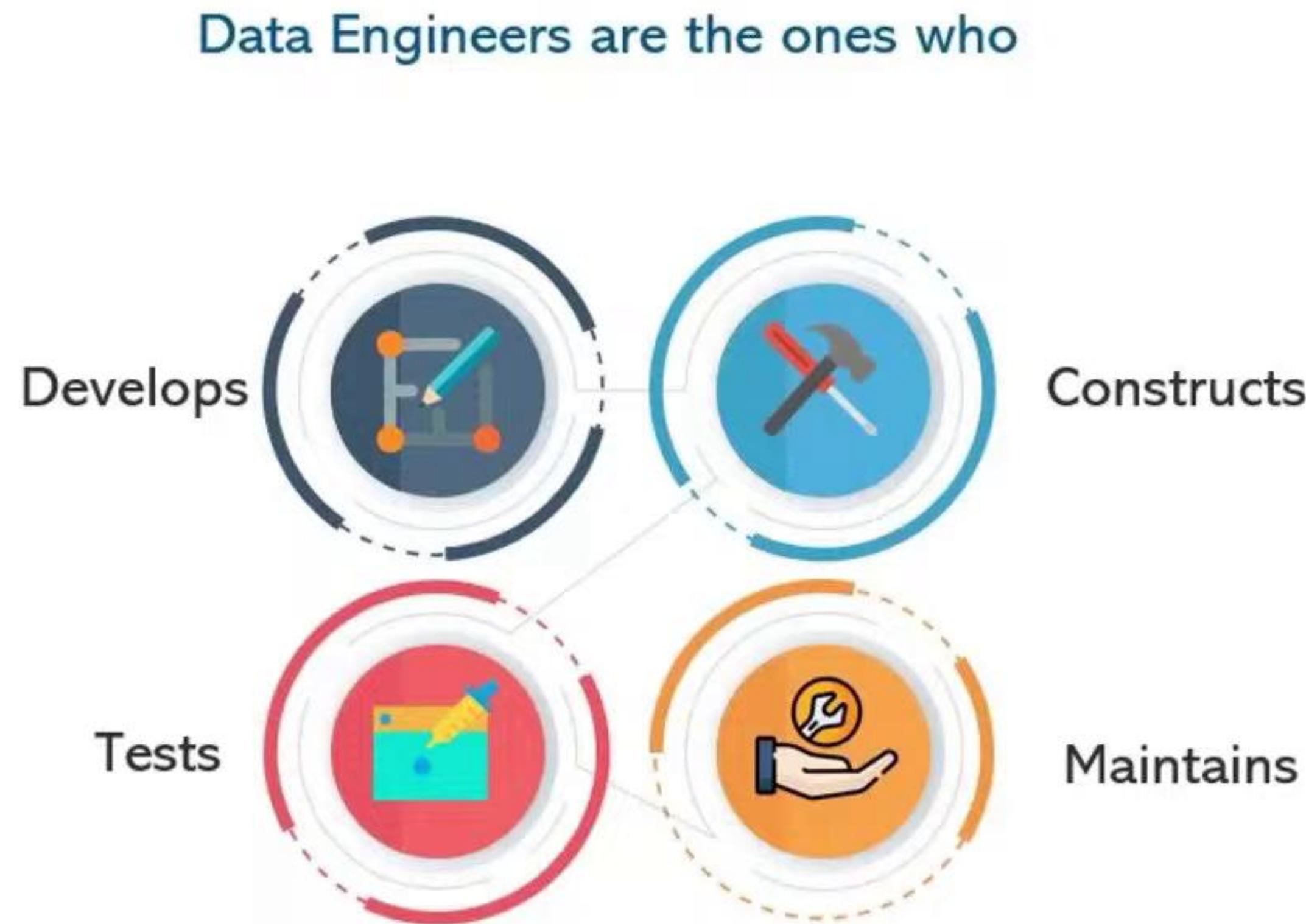


# Who is a Big Data Engineer?



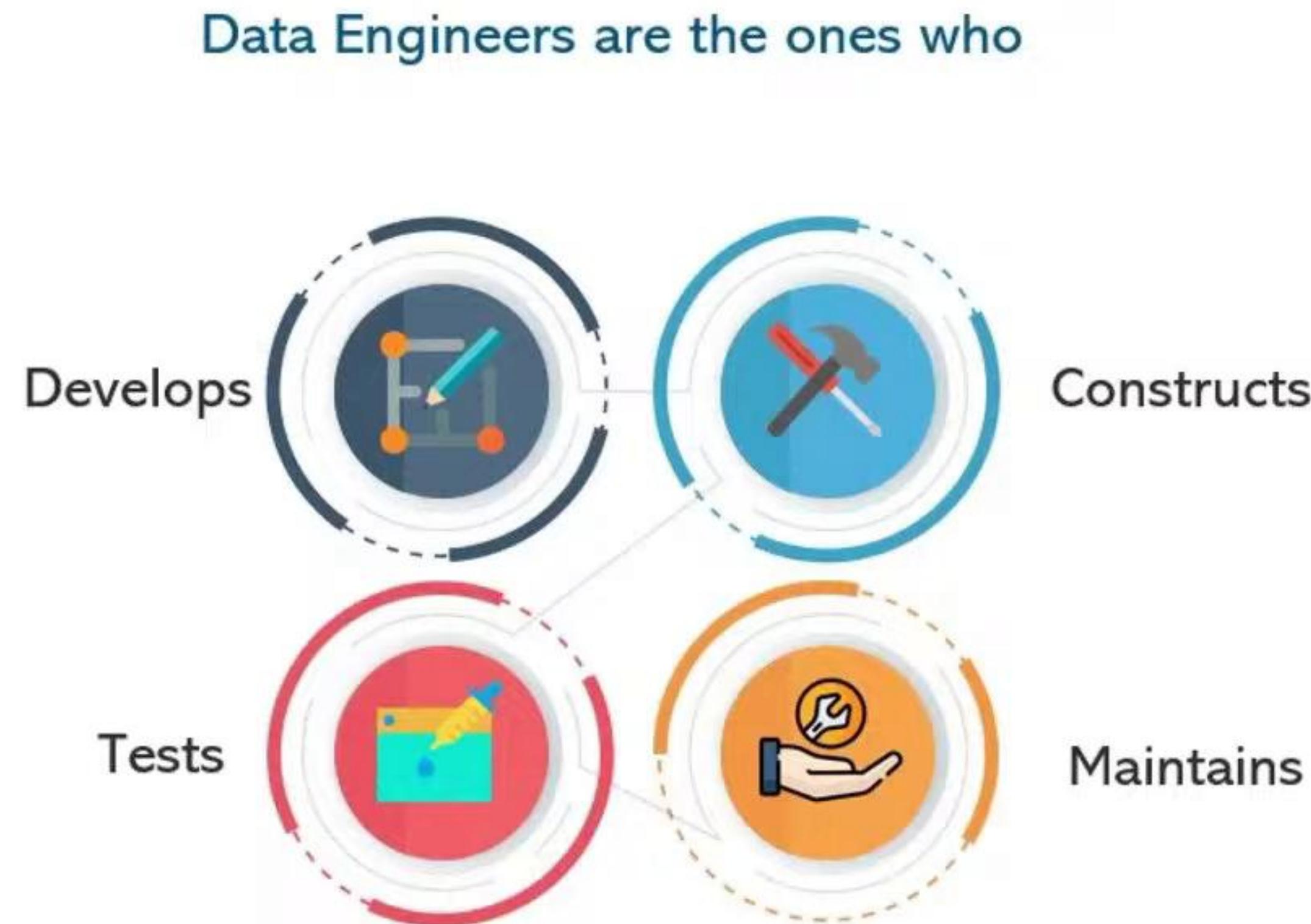
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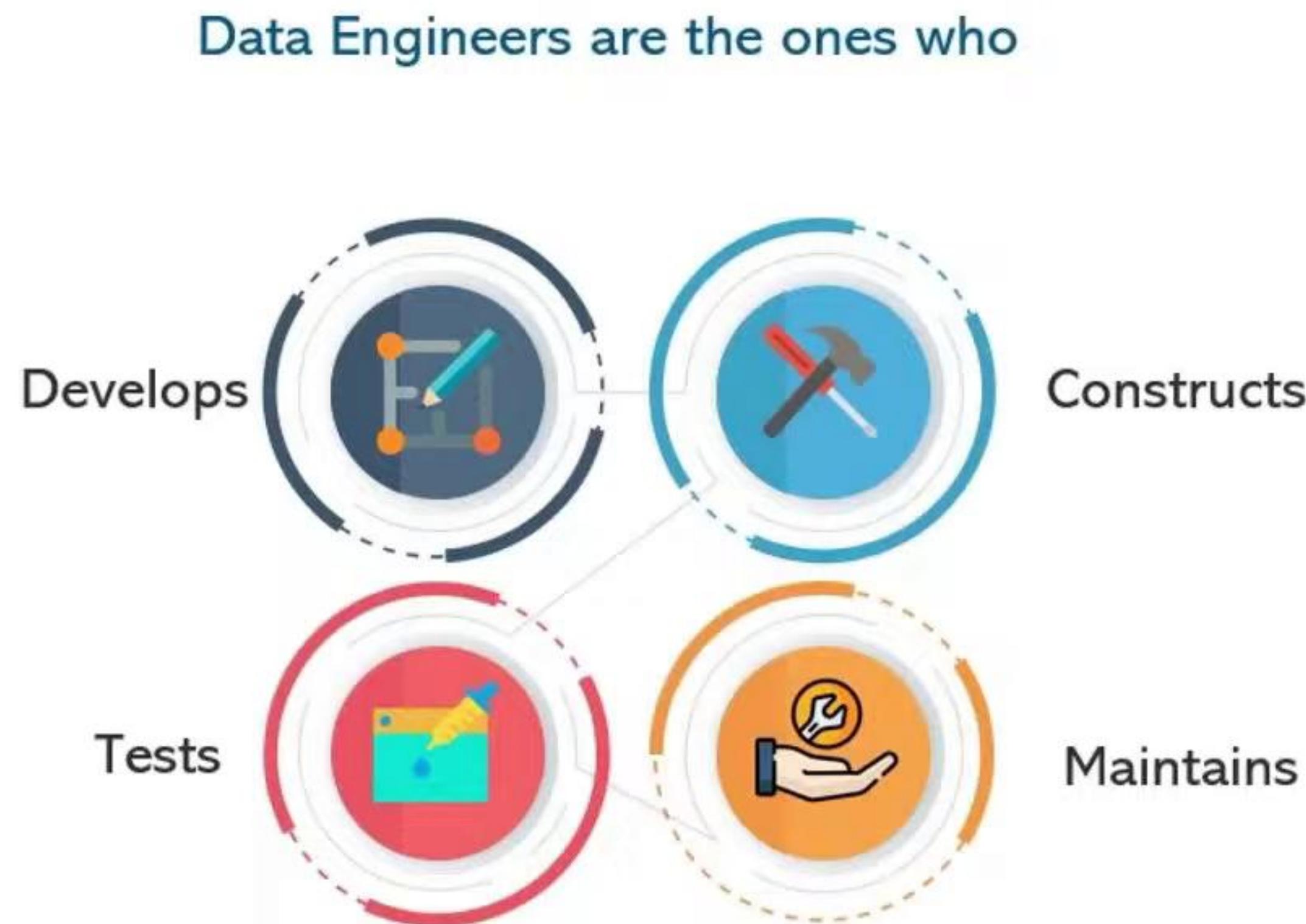
the complete architecture of the large-scale processing system.

# Who is a Big Data Engineer?



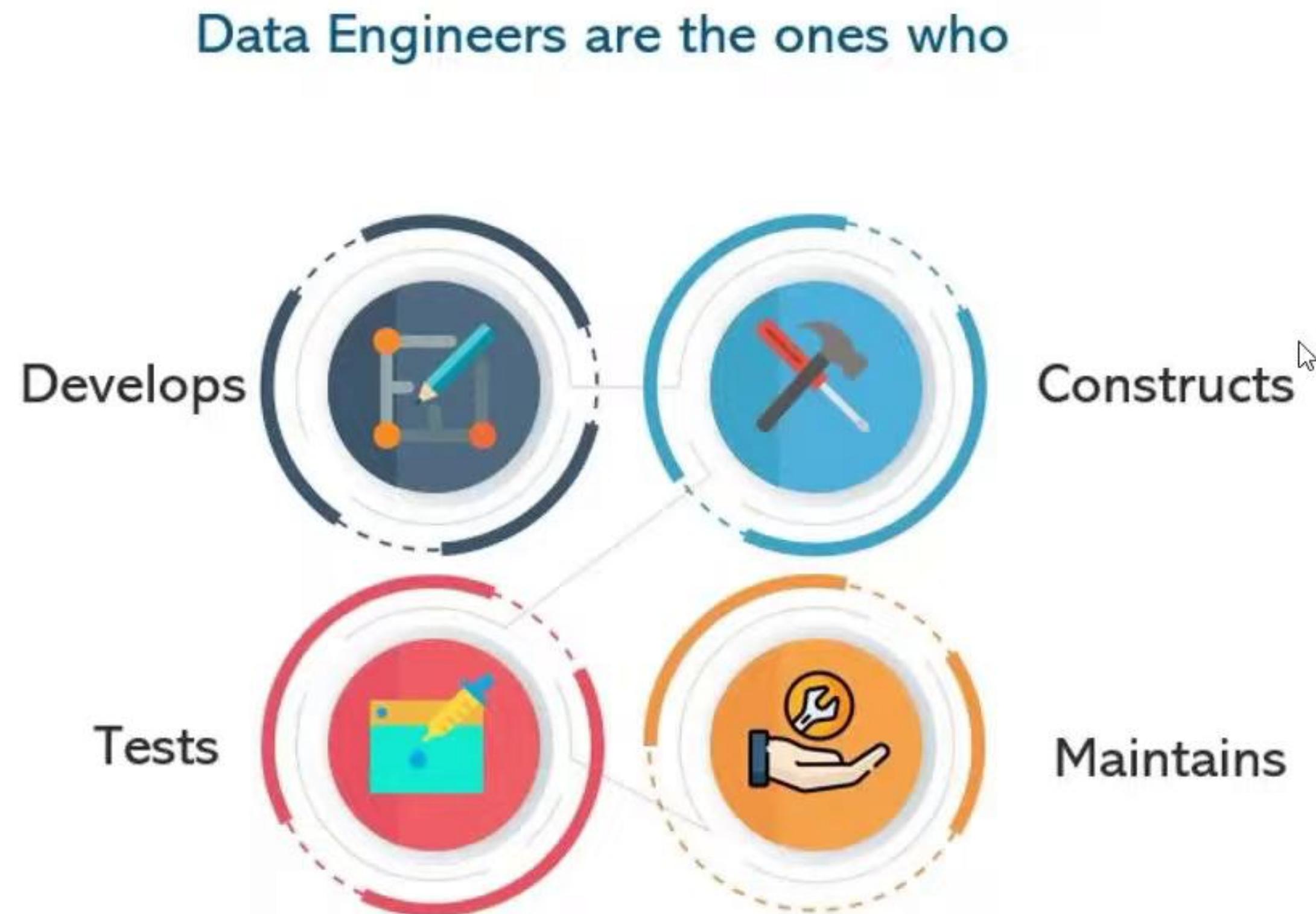
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# Who is a Big Data Engineer?



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# What does a Big Data Engineer do?

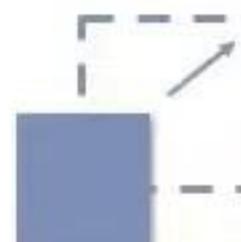


# What does a Big Data Engineer do?

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Design, Develop, Construct, Install, Test & Maintain the complete data management & processing systems



Building highly scalable, robust & fault-tolerant systems

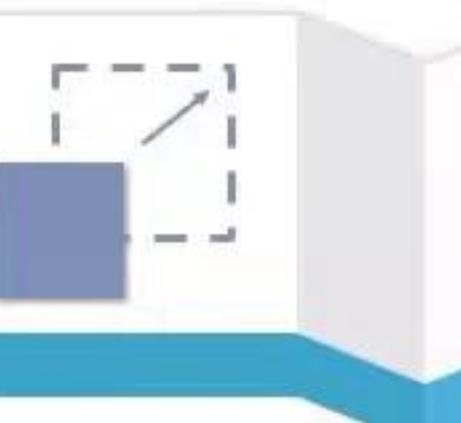


Taking care of the complete ETL(Extract, Transform & Load) process

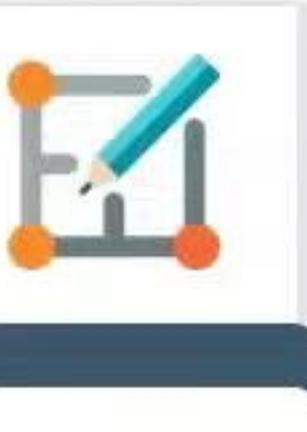


Ensuring architecture is planned in such a way that it meets all the business requirements

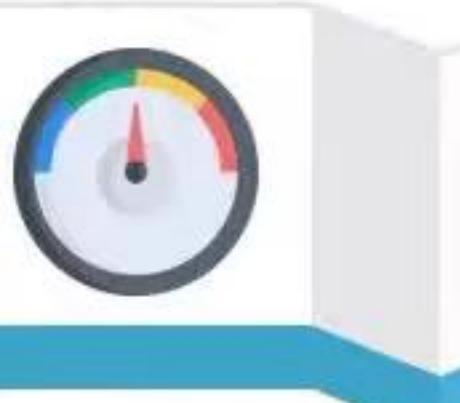
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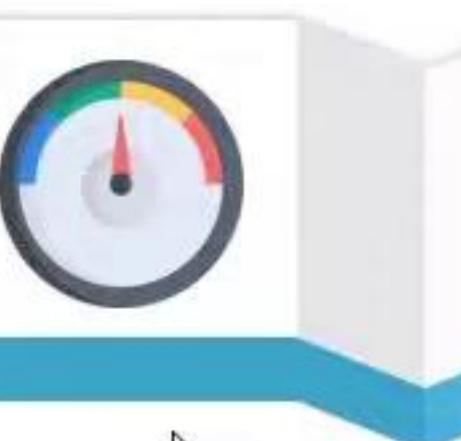
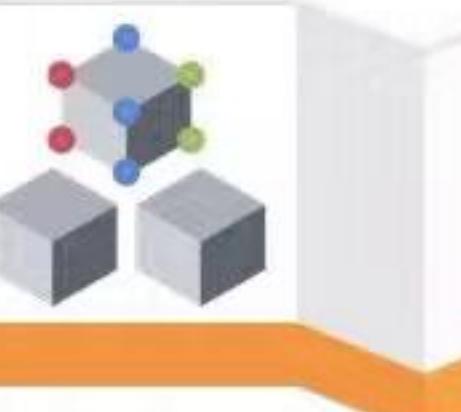
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# What does a Big Data Engineer do?

-  Discovering various opportunities for data acquisitions and exploring new ways of using existing data
-  Proposing ways to improve data quality, reliability & efficiency of the whole system
-  Creating a complete solution by integrating a variety of programming languages & tools together
-  Creating data models to reduce system complexity and hence increase efficiency & reduce cost

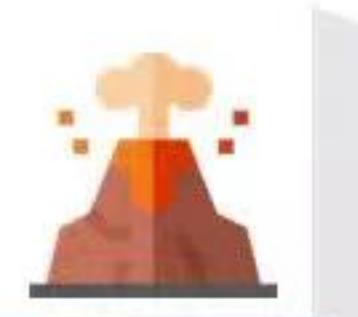
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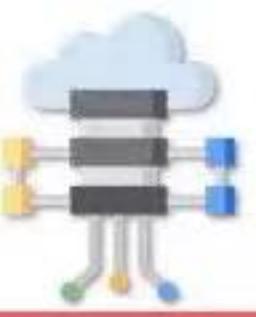
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# What does a Big Data Engineer do?



Deploying Disaster Recovery Techniques

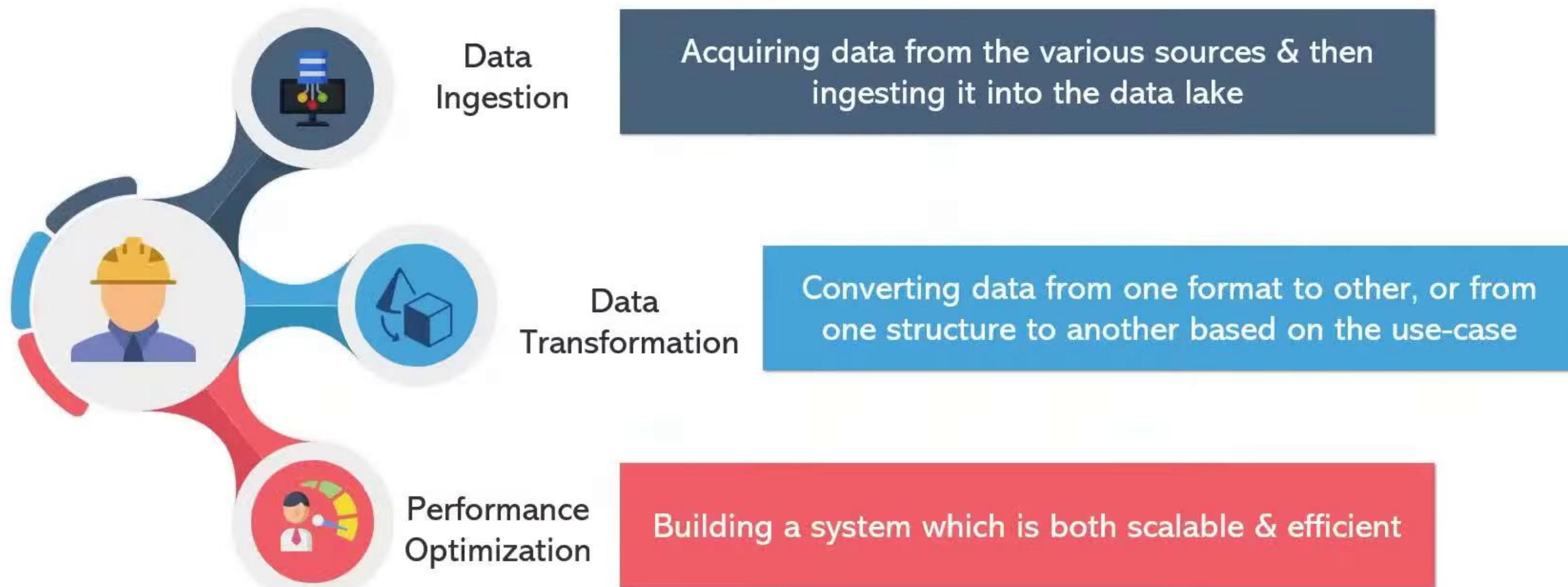


Introducing new data management tools & technologies into the existing system to make it more efficient.

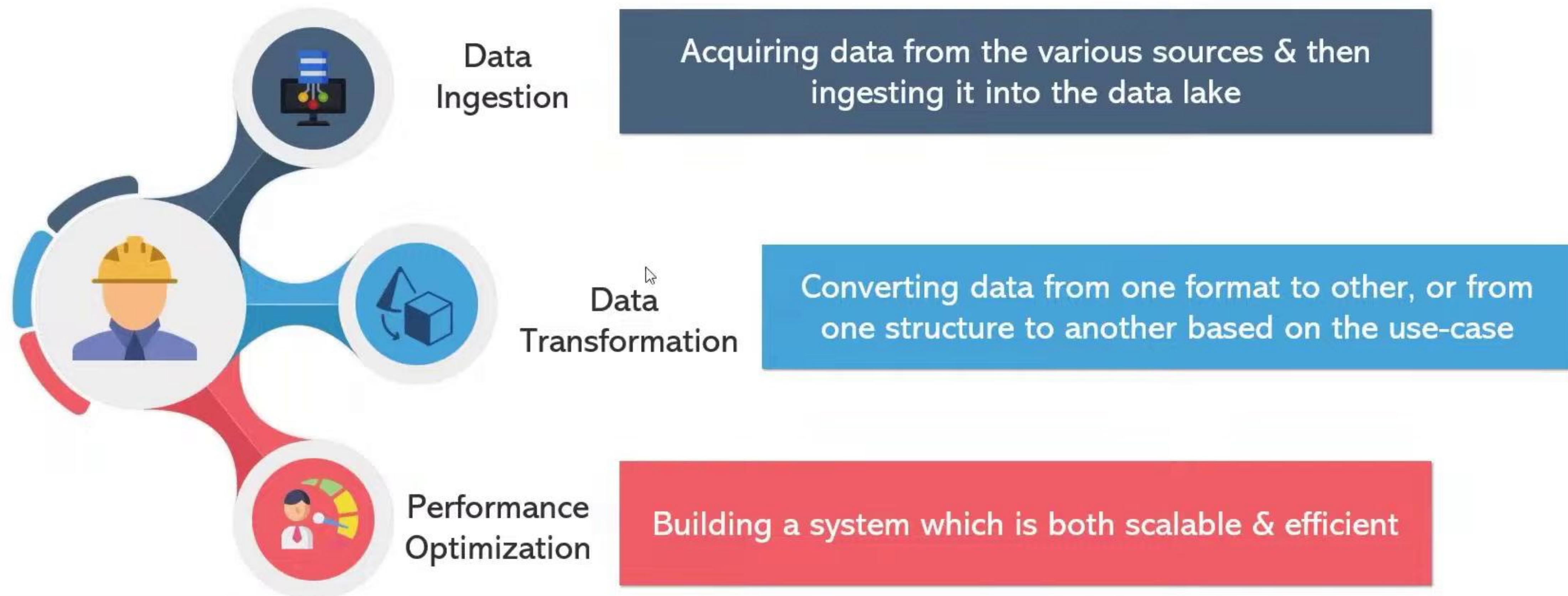


# Big Data Engineer Responsibilities

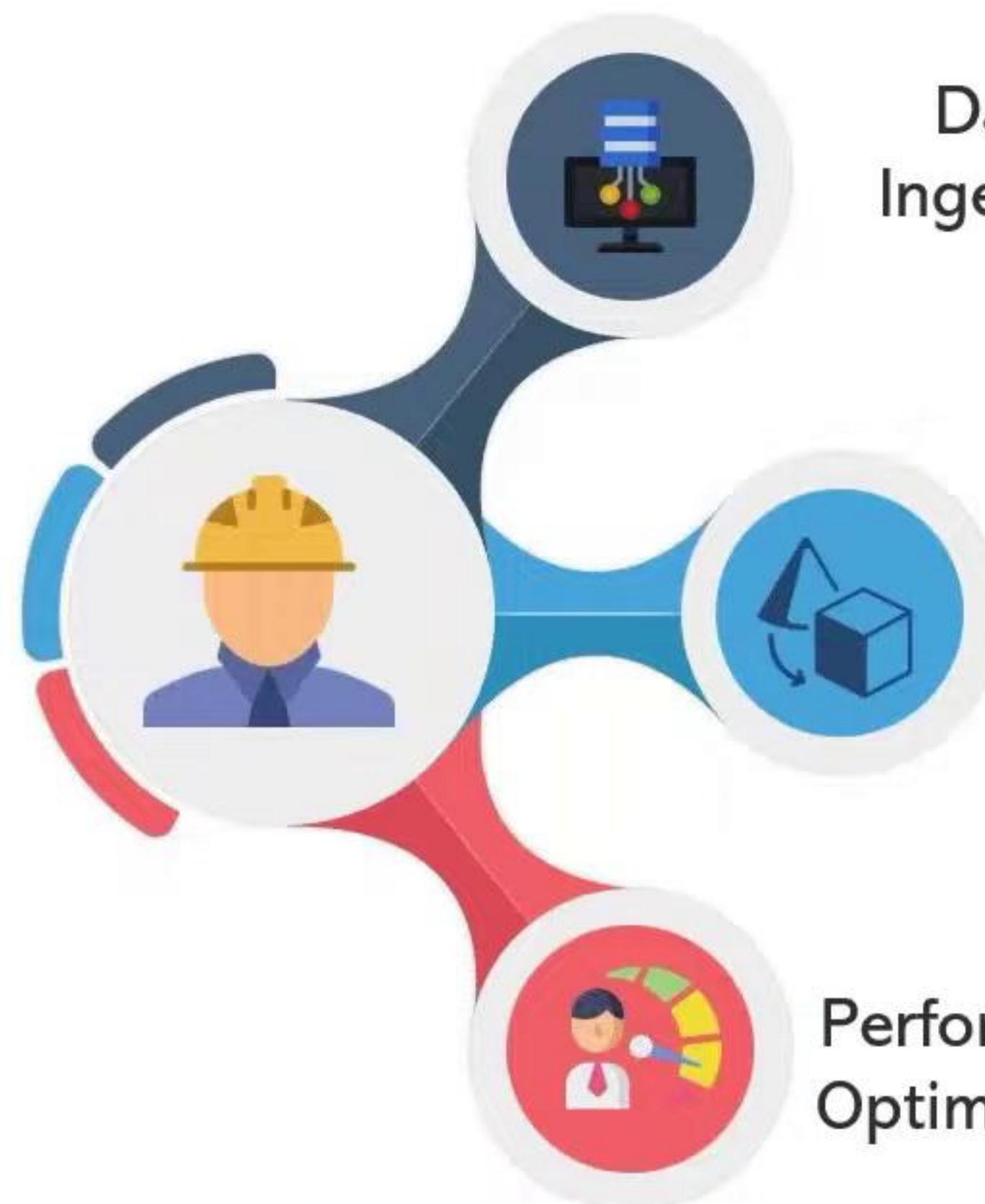
# Big Data Engineer Responsibilities



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# Big Data Engineer Responsibilities



Data  
Ingestion

Acquiring data from the various sources & then  
ingesting it into the data lake

Data  
Transformation

Converting data from one format to other, or from  
one structure to another based on the use-case

Performance  
Optimization

Building a system which is both scalable & efficient

# Big Data Engineer Responsibilities

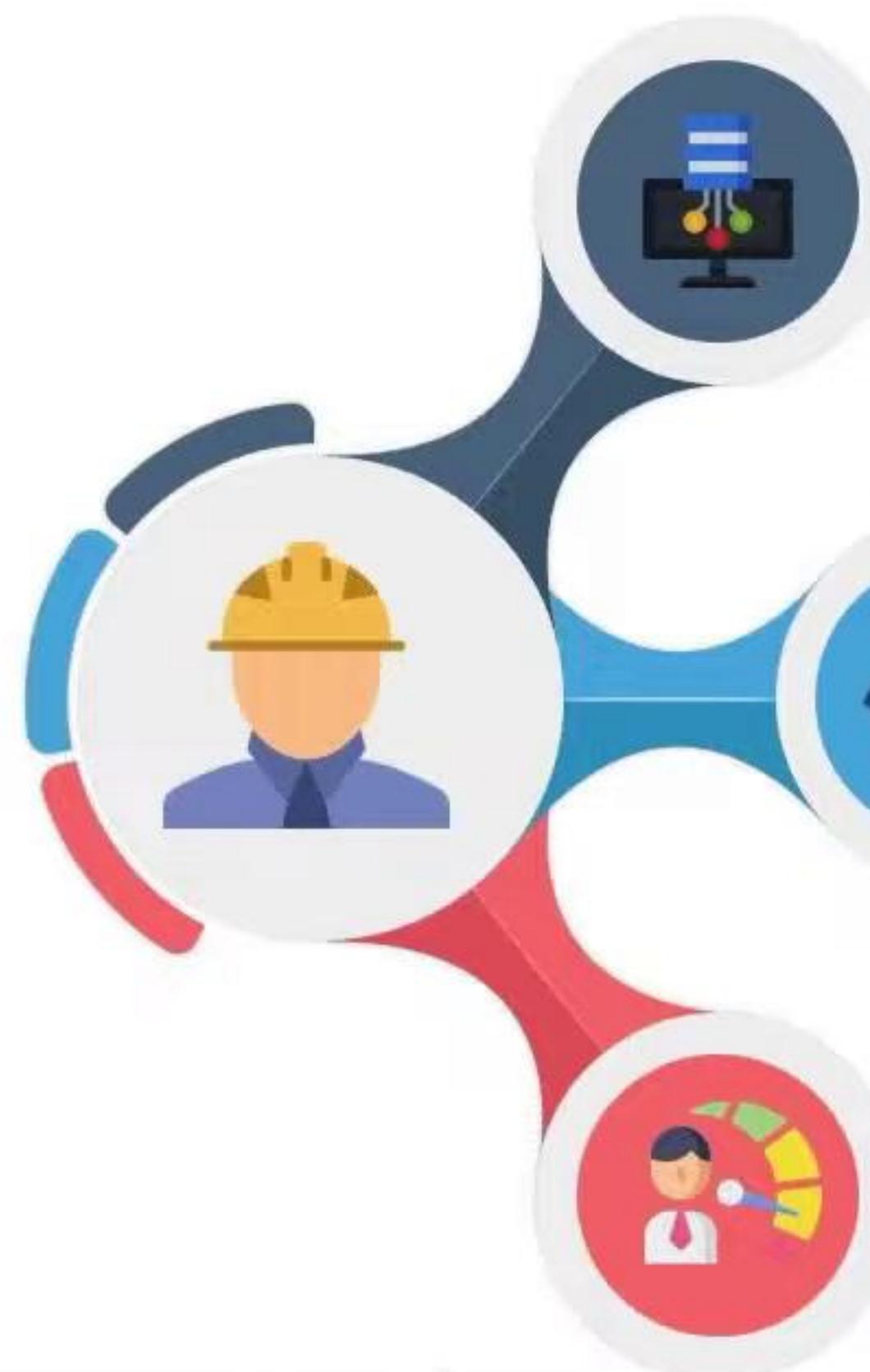


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# Big Data Engineer Skills



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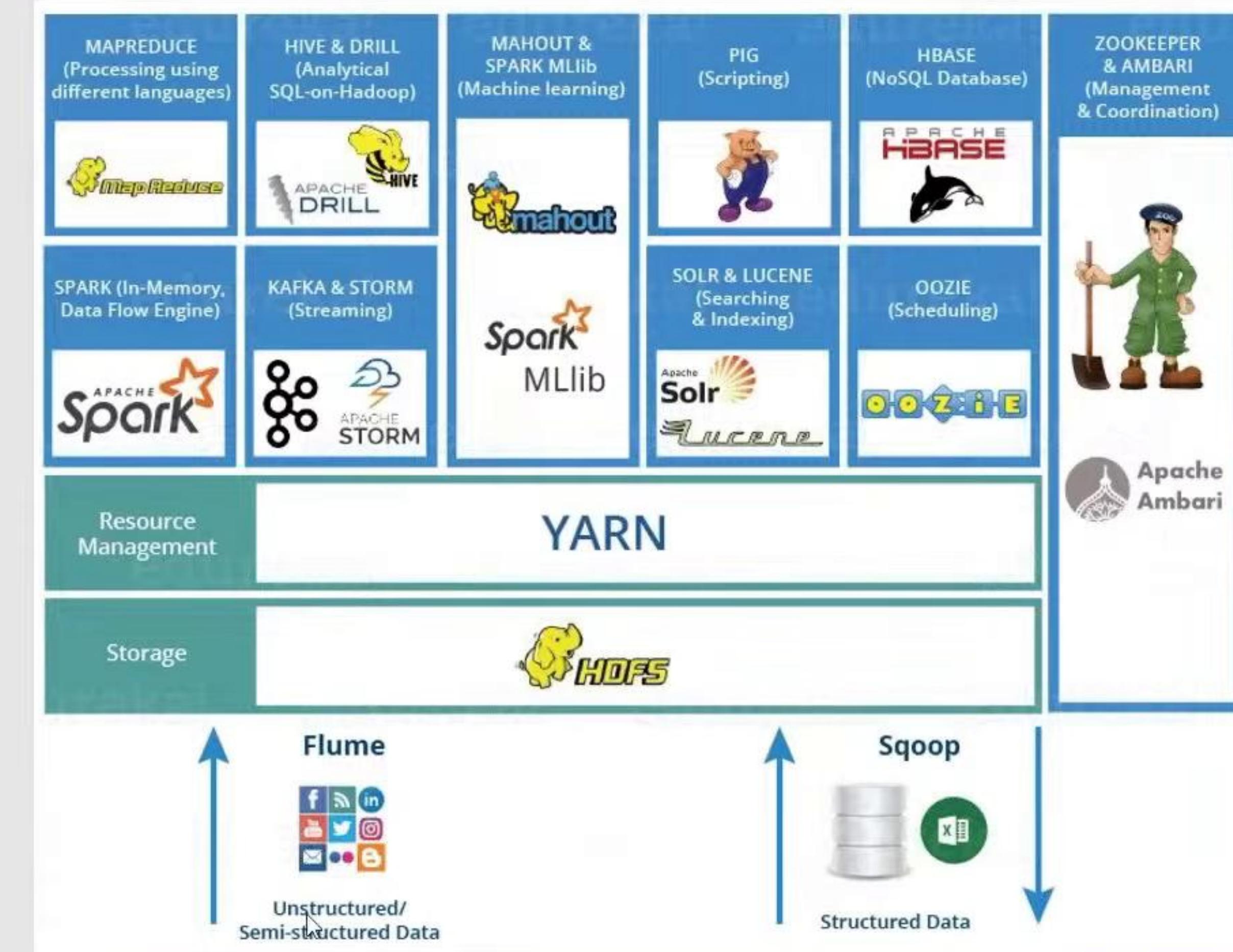
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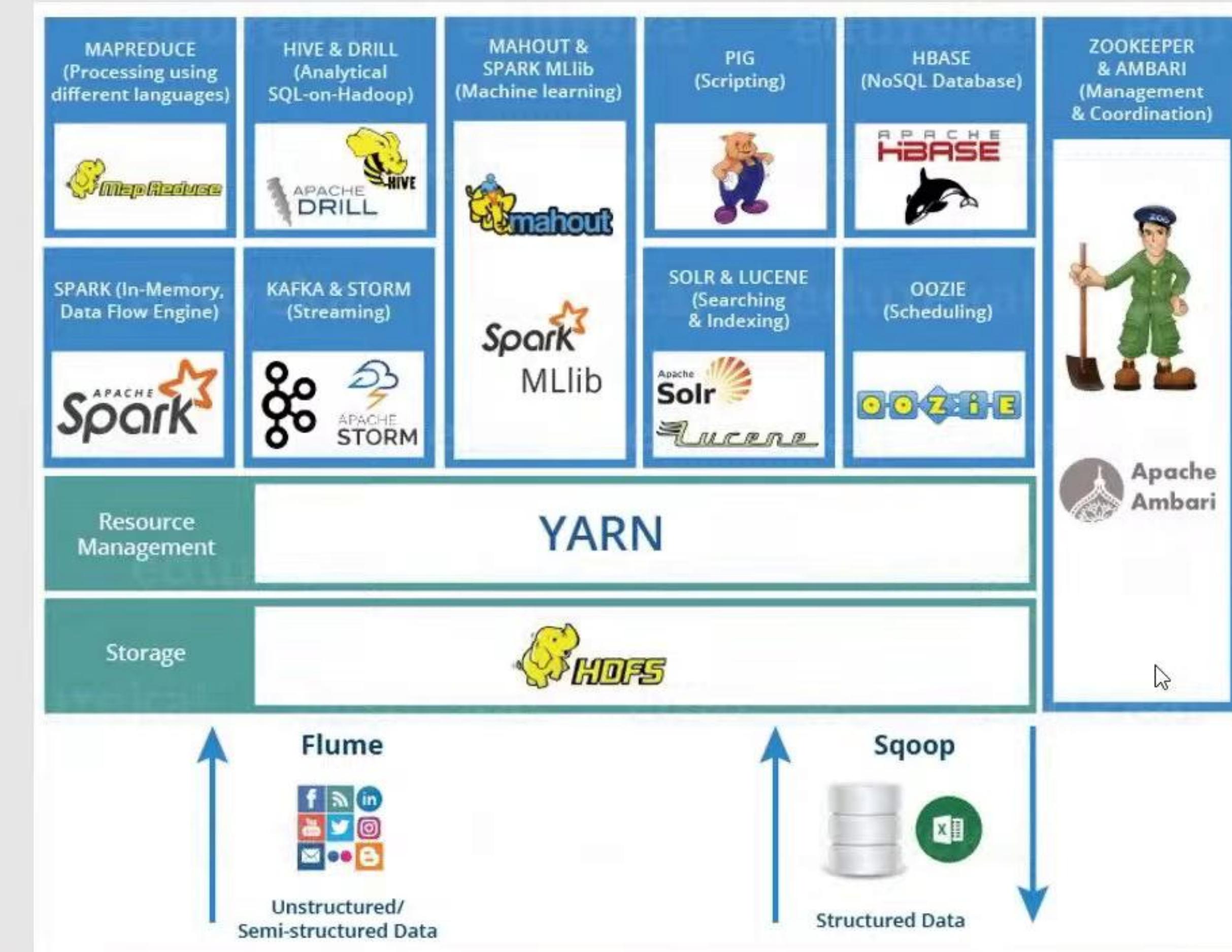
# Big Data Frameworks



# Big Data Engineer Skills



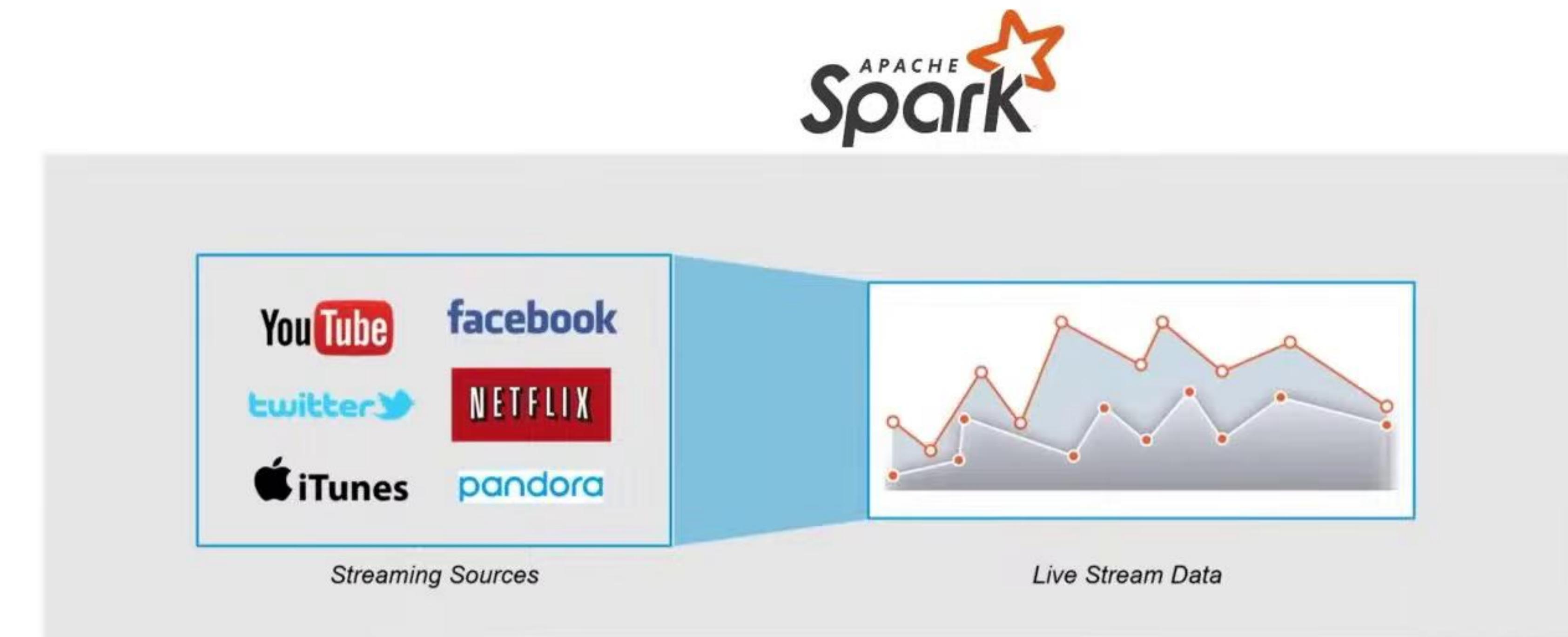
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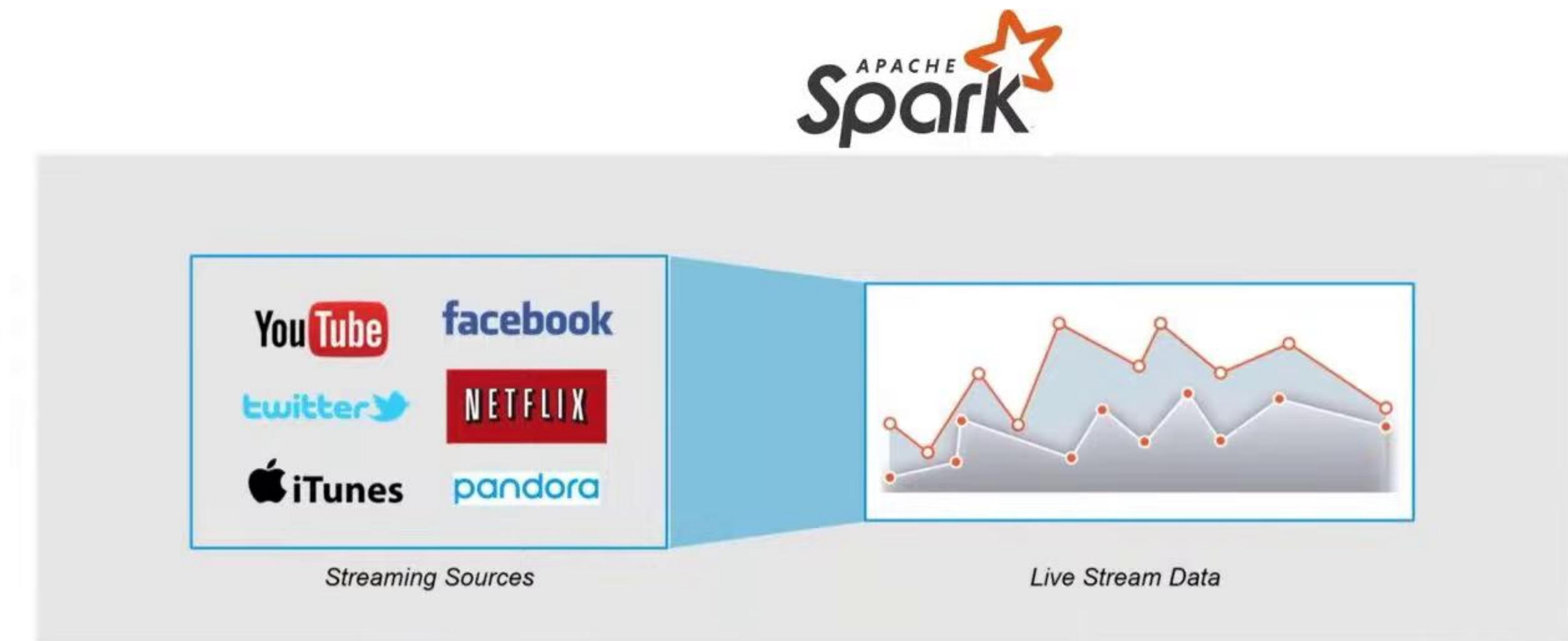
# Big Data Engineer Skills



# Real-Time Processing Framework



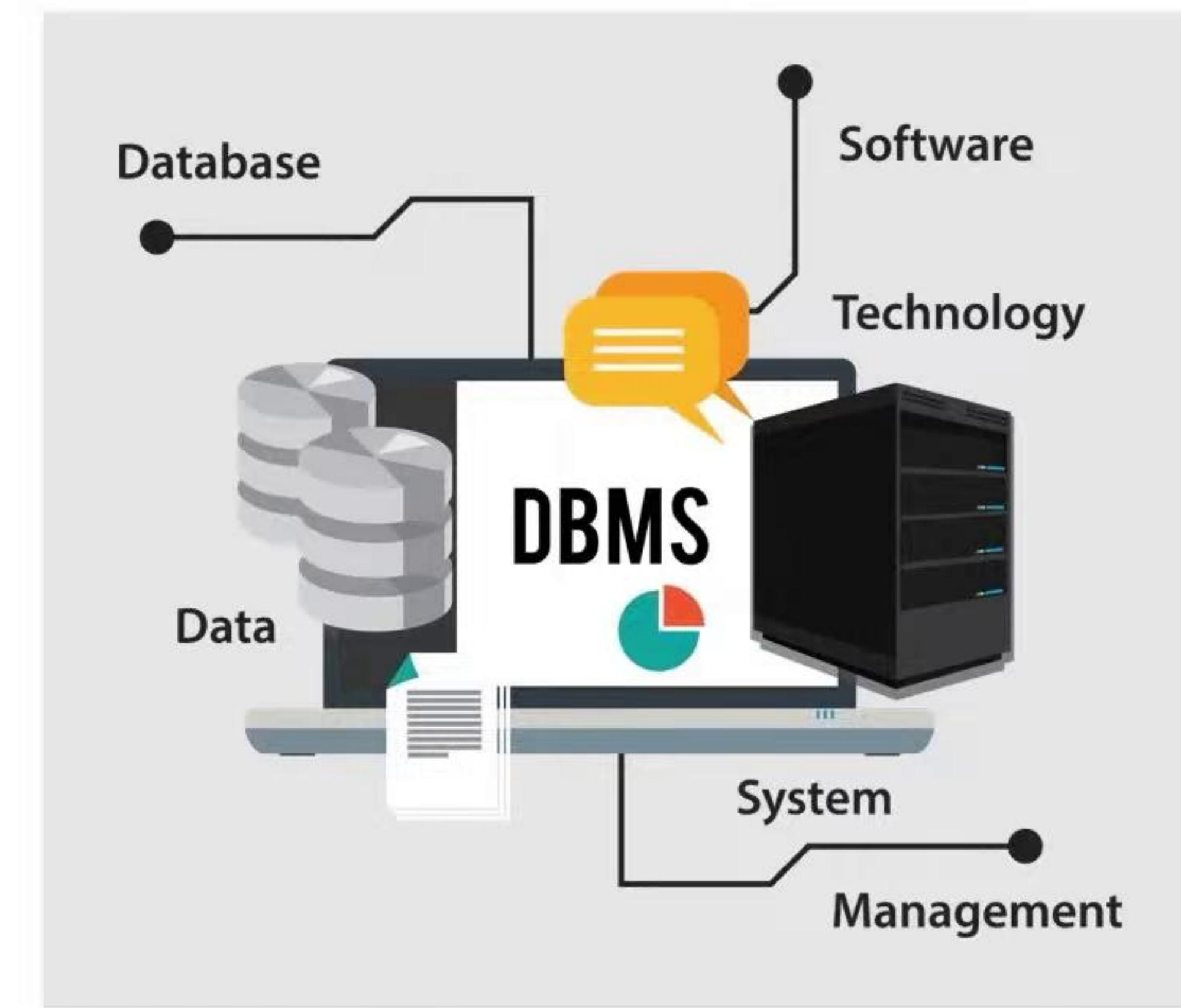
# Real-Time Processing Framework



# Big Data Engineer Skills



# DBMS & Database Architectures



# Big Data Engineer Skills



# SQL-based Technologies



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# NoSQL Databases



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# NoSQL Databases



# NoSQL Databases



# NoSQL Databases



# Programming/Scripting Languages



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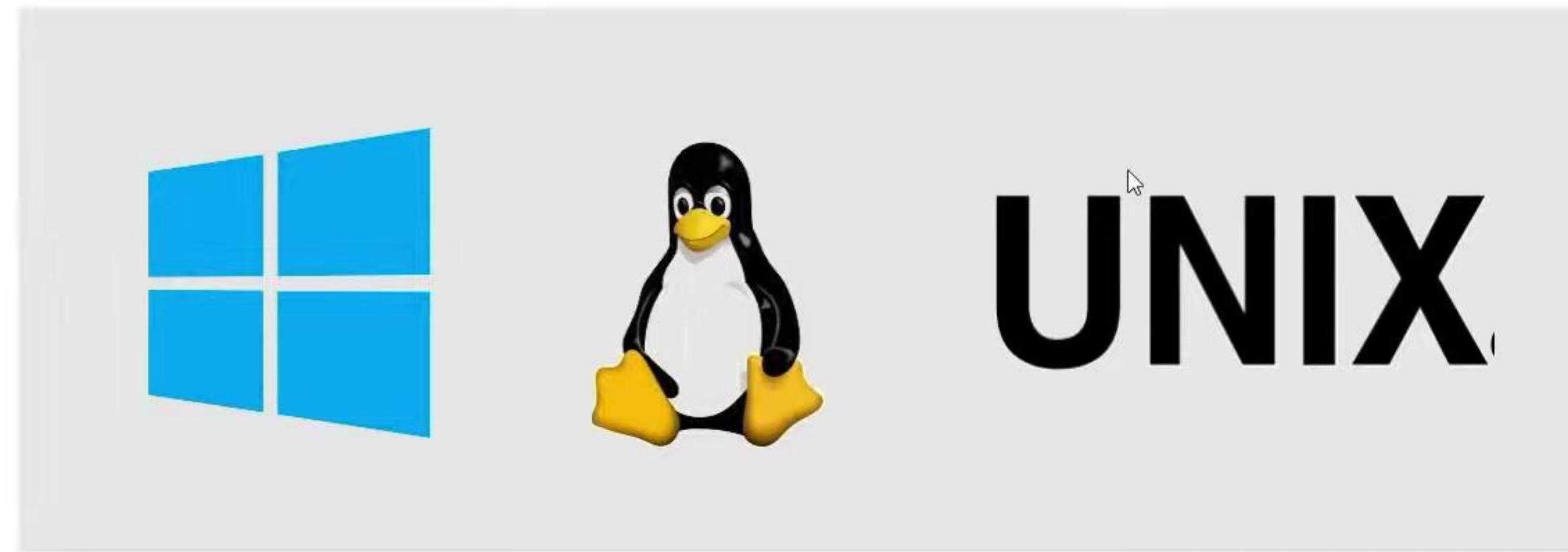
# Programming/Scripting Languages



# ETL/Data Warehousing



# Operating Systems





# Big Data Engineering Learning Path

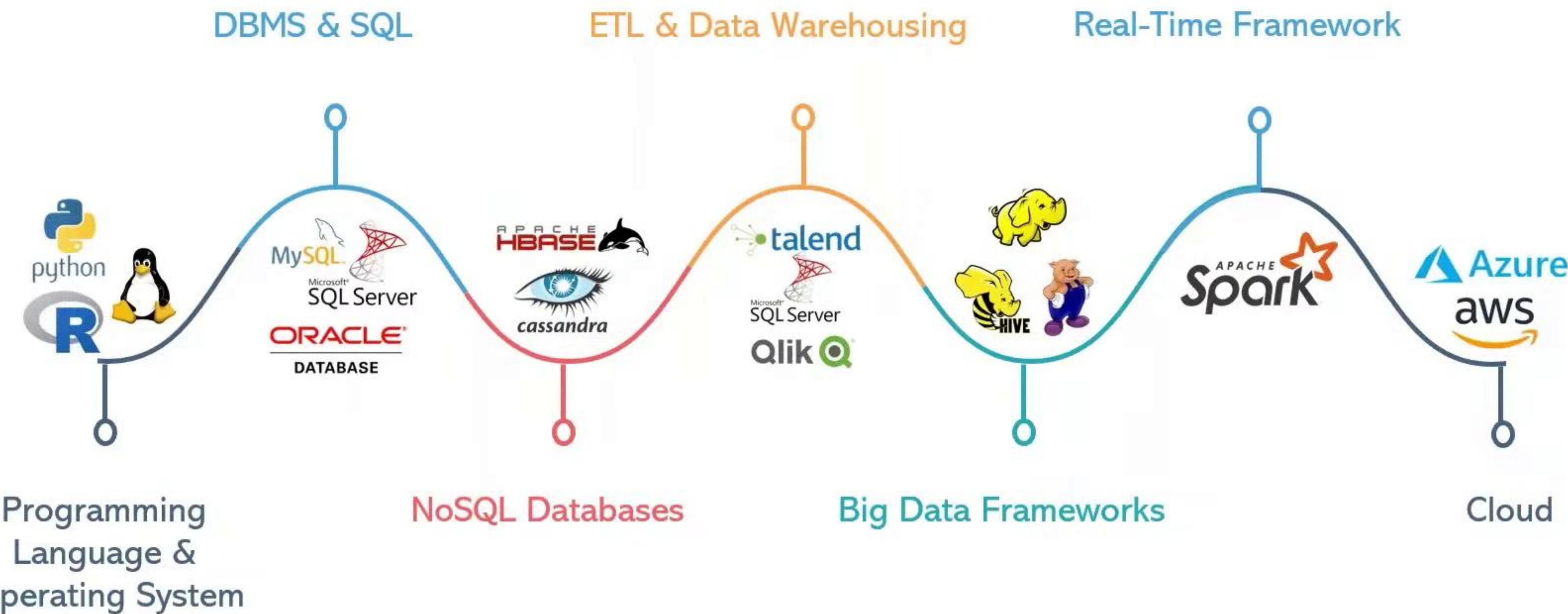


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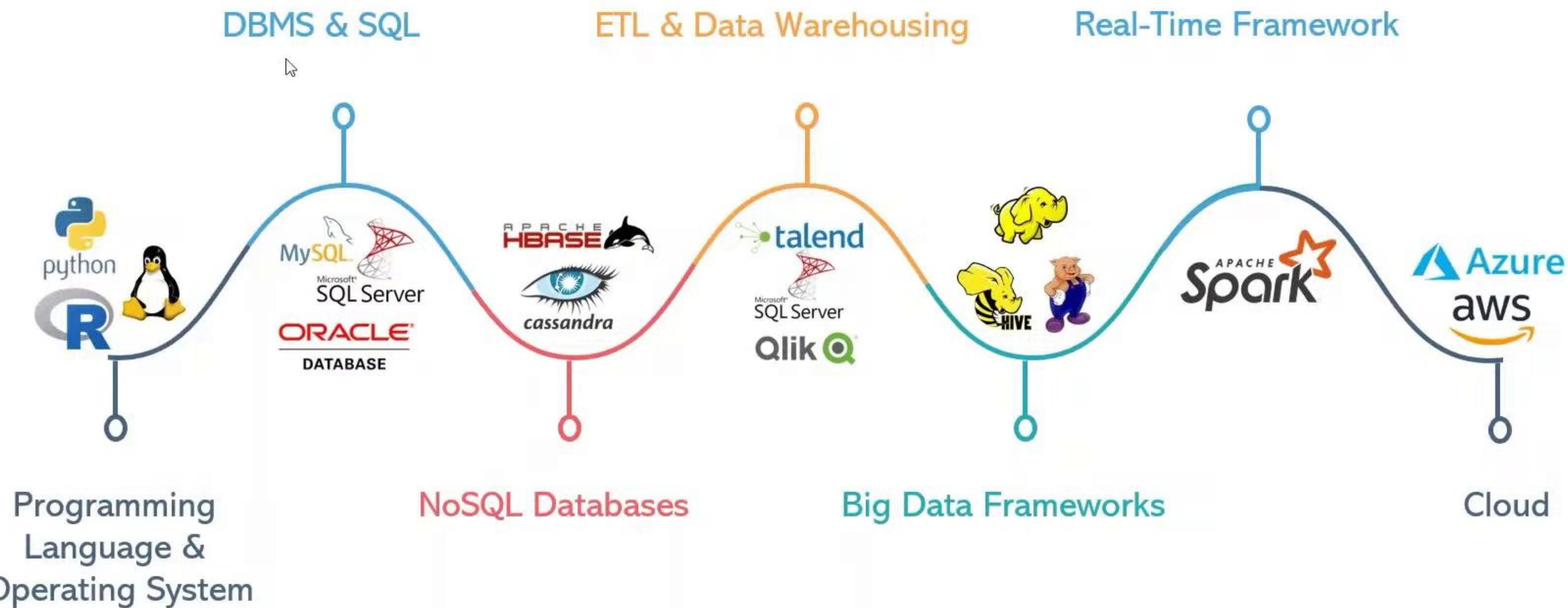


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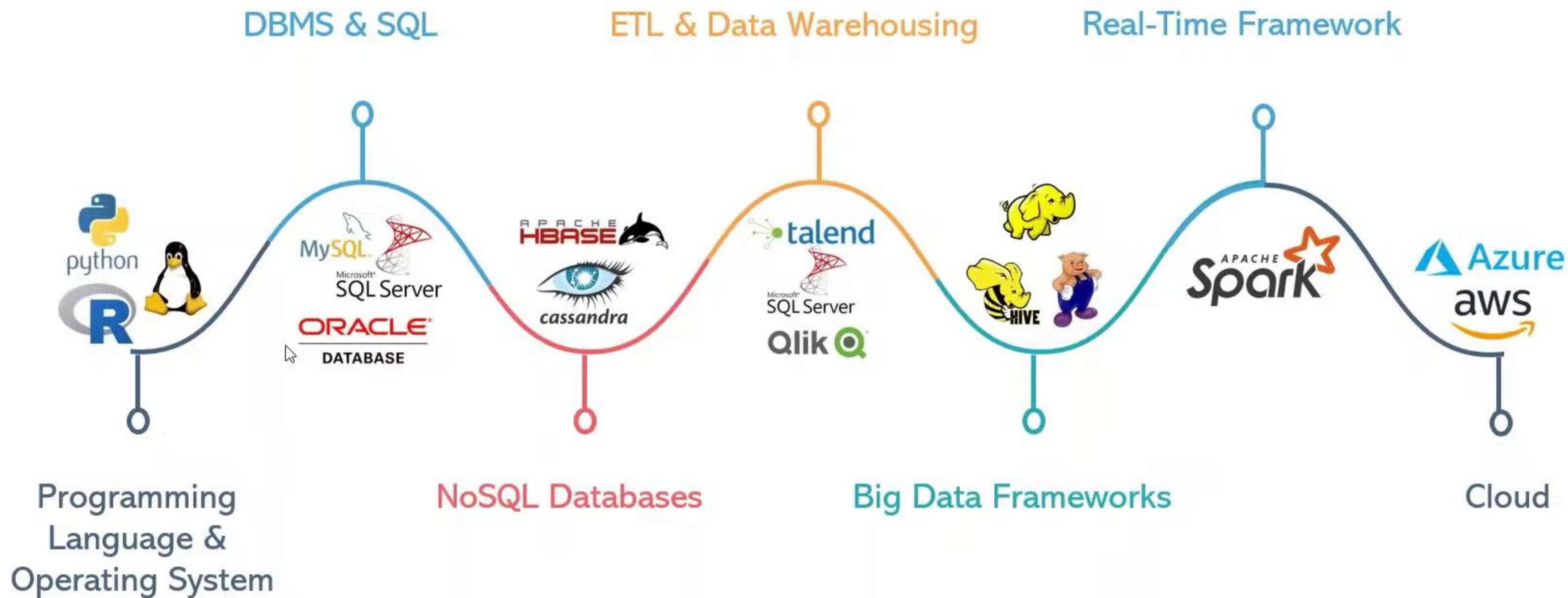
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