



University of  
New Haven

## DISTRIBUTED AND SCALABLE ENGINEERING

■ **ARDIANA SULA**  
PROFESSOR, ACADEMIC ADVISOR

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# DATA ENGINEERING

## VISION

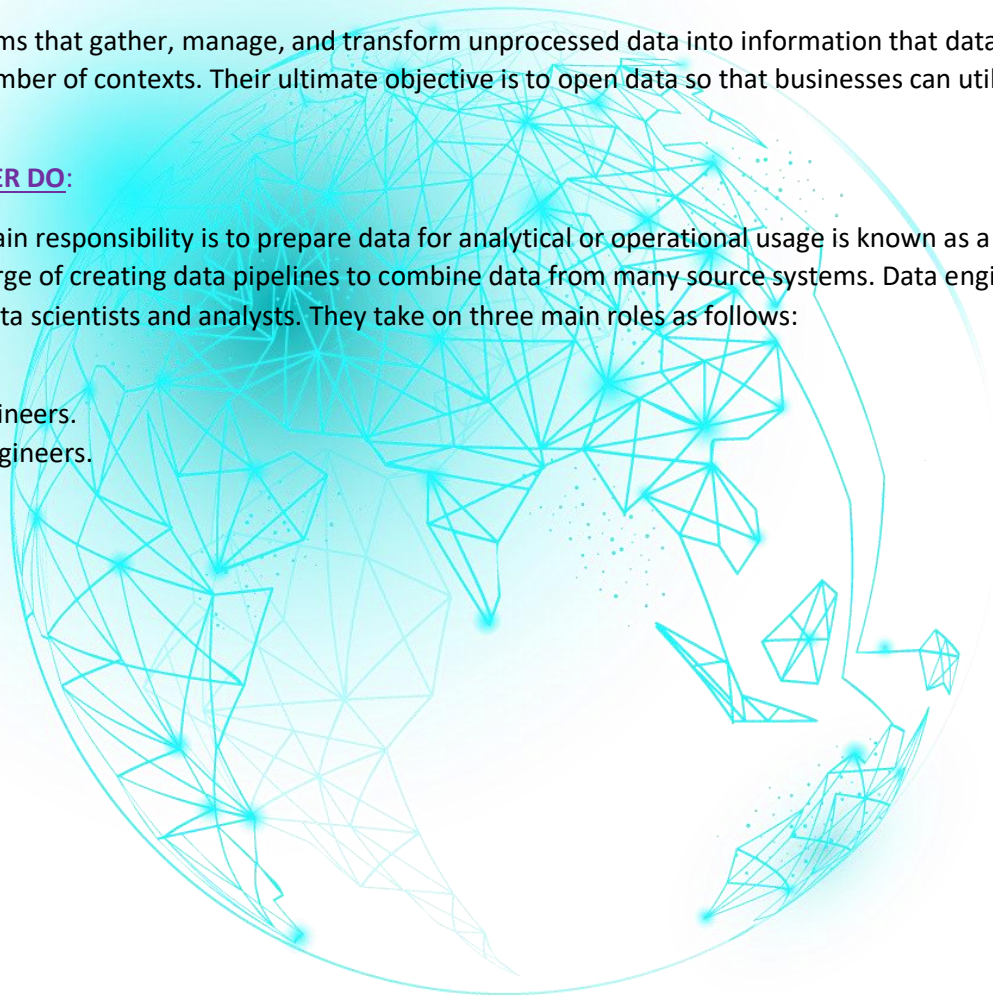
### WHY DO WE NEED DATA ENGINEERS:

Data engineers create systems that gather, manage, and transform unprocessed data into information that data scientists and business analysts may use to evaluate it in number of contexts. Their ultimate objective is to open data so that businesses can utilize it to evaluate and enhance their performance.

### WHAT DOES DATA ENGINEER DO:

An IT professional whose main responsibility is to prepare data for analytical or operational usage is known as a data engineer. These software engineers are usually in charge of creating data pipelines to combine data from many source systems. Data engineers focus on collecting and preparing data for use by data scientists and analysts. They take on three main roles as follows:

- a. Generalists.
- b. Pipeline-centric engineers.
- c. Database-centric engineers.



# DATA ENGINEERING

PHOENIX  
ATTACKERS

## COMMUNICATION SKILLS

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## PYTHON

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## SQL

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## POWER BI

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## STATISTICS

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## DATA ANALYSIS (HADOOP)

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## MACHINE LEARNING

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK

## STORY TELLING

KALPANA CHAMALA

RISHITHA VENKANNAGARI

MASTANVALI SHAIK

RAHUL MUVVALA

FARHAN SHAIK