

# Data Engineer Academic Certificate Program



- At the end of the program, you will obtain a certification from Université Paris 1 - La Sorbonne

## Objectives



- Design and develop data software and applications
- Analyze and represent data
- Master databases & ensure data quality
- Build pertinent and reliable ETL/ELT pipelines
- Deploy, scale and industrialize data solutions & models

## Public



- Background in Programming, IT or Networks
- Previous coding experience required

## Program



**Programming & Data Science**  
Python/Bash/Machine Learning

**Database**  
SQL/MongoDB/ElasticSearch/Neo4j

**Big Data**  
Volume (Hadoop, Spark)  
Speed(Streaming, Kafka)

**CI/CD & deployment**  
Git/Github/APIs/Docker/Airflow/Kubernetes

## Duration

10 months ■ 6 to 10 hours/week

- 100% remote training

## Details



### Project

To put into application what is taught, 3 projects on various topics (Pipeline creation, Model deployment & automation tasks) will be spread throughout the course, to ensure operationability by the end of the training.

### Support & Masterclass

Our teachers are always by your side to advise you quickly and efficiently. Frequently planned **masterclasses** will allow you to deepen your knowledge and review the previously studied content.

### Coached training platform

Our coached training platform, which simulates all data engineering environments, allows you to autonomously work on exercises & business cases.

