

DATA ENGINEER

Big Data Career Path



Graduated students



Students are satisfied with the programme



Of permanent employment within the 6 months after the internship

WHO AM I?

I am someone who sees the big picture of a complex information system but also loves getting my hands dirty in coding. I usually come with a computer science/IT background.

My main two jobs are analysis, designing and implementing data pipelines between the various sources and systems of my organisation and industrialising the prototypes of my Data Scientists colleagues.

I have the luxury to be able to work anywhere data pipelining and industrialisation of AI is needed, and that means everywhere.



WHAT ARE MY MAIN SKILLS?

The Data Engineer manages database systems and is proficient in programming languages such as SQL, Python, Javascript and R. He or she has good communication and teamwork skills. I also work closely with Data Scientists and Data Analysts. All these skills allow me to carry out my data flow development missions.

WHICH FONCTIONS DO I OCCUPY?

You can call me Data Engineer, Big Data Engineer, Data Pipeline Engineer, but currently, a lot of companies like to call me Machine Learning Engineer.



WHY AM I SO IMPORTANT IN THE BIG DATA CHAIN?

"Pure" computer scientists are essentially trained on solving complex algorithmic problems and are less interested in data pipeline issues. Also, unlike what employers thought only a few years ago, Data Scientists are not very good at my tasks and they usually don't like it. They like maths. I like giving data a journey.

LIST OF RESPONSIBILITIES:

- Feeding data warehouse systems.
- Development of multidimensional databases.
- Industrialisation of AI algorithms.
- Data pipelines: development of ETL scripts in Big Data environments.

WHAT IS MY AVERAGE SALARY?

Before I take over the world, I have been known in France to be paid circa 60k€ gross per annum a year from the end of my internship. But it's rising and I'm often paid better than my Data Scientists colleagues who find it hard to swallow!!

APPLIED MSc IN DATA ENGINEERING FOR ARTIFICIAL INTELLIGENCE

This Applied MSc, RNCP certified at level 7 (Master's level) will give you a profound insight into Big Data & IT aspects, as well as Data Science. The programme will provide you the essentials to pursue a successful career, such as computer science and mathematical understanding, including real-world projects. The Applied MSc in Data Engineering for AI attracts students with different professional backgrounds and career goals. Once you graduate, you will receive the "Expert en Sciences des Données" (Expert in Data Science) degree.



**FOR EVERY DATA SCIENTIST,
THERE IS A NEED FOR AT LEAST
TWO EXPERTS IN DATA ENGINEERING**

