



Engineer in Big Data and Cloud Computing

Jonathan Andrieu

25 years old – Driving license

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Skills

Languages

- English professional proficiency
- TOEIC: 925/990 pts
- French native speaker

Programming Languages

- Python, pySpark
- Java, C++
- SQL, SPARQL
- C, Assembly
- HTML, CSS, JS

Certifications

- Azure Developer Associate
- AWS Developer Associate
- Python Developer Associate
- Academic CISCO CCNA

Tools

- Spark, Hadoop, HDFS
- AWS, Microsoft Azure
- Docker, Kubernetes
- Microservice Architecture
- RESTful API
- Agile Methodology Scrum



Interests

- Hiking, Swimming, Ski
- Reading, Cinema
- Chess



Professional Experience

Data Engineer | CS Group, Toulouse - France | Sept. 2021 – now
Z-AOG (Zero Aircraft On Ground) project on Airbus Skywise big data platform.



Focal Point Data Pipelines: **Customer facing** and **team manager** for project architecture. Development of **data processing** pipeline. **Customer technical support**. Involved in technical decision and discussion with **international teams**.

Data Engineer: Development of **data analysis models** with Spark to ensure the **predictive maintenance** of Airbus aircrafts. Cross-functional development. **Communication** and **team support**. Production and **incidents management**.

Innovation manager: Creation of an idea **management system** to stimulate innovation within my team. **Management of the innovation unit and project monitoring**. Creation of a chatbot-based solution to quickly and simply access decentralized information. Deployment of the solution on the cloud.

Cloud Engineer | CS Group, Toulouse - France | March. 2023 – now
Doc2Value²LLM project aims to extract value from documents.



Cloud Engineer: Responsible for the creation of a cloud-based architecture to train a **LLM** and extend its knowledge with **retrieval-augmented generation method**. In charge of the technical decisions as an **architect** and **technical leader** in my team.

Trainer: **Animation of several AWS cloud training sessions** (technical essentials training). I trained more than twenty coworkers to use the services provided by AWS.

Data Scientist Intern | Airbus Defence and Space, Toulouse - France | Feb. – Aug. 2021
Data Computing and Processing on **big data platform for satellite operations**. Development of Spark algorithms for data processing and data visualization.



Software Developer Intern | Orange, Blagnac - France | June – September 2020
Design and development of automated tests. Angular / React web development. Design, development, deployment and integration of a **chatbot** based on Rasa.



Tech Tutor for Seniors | Toulouse Town Hall, Toulouse - France | February – April 2020
I was an instructor and I **trained seniors to deal with new technologies**. I helped them to use computers, tablets, smartphones and smart watches and how to do their daily basic tasks.



Education

Master of Engineering in Computer Science | Sept. 2018 – June 2021
National Institute of Applied Sciences. Toulouse, France.
Specialization in Distributed Systems and Big Data (DSBD).



Erasmus Semester in Computer Science | August – December 2019
University of Jyväskylä, Finland. Activity: Erasmus Student Network
Master's degree courses: Cloud Computing, AI, Cybersecurity, English for exchange students



HND Electronical Engineering and Computer Science | 2016 – 2018
University Institute of Technology. Montpellier, France.
Two-Years Technical Degree in electronic and computer science.

