Jonathan Andrieu

26 years old – Driving license

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🛠 Skills

Languages

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

Programming Languages

- Python, Java, C++, C, SQL
- Data Science: Pandas, NumPy, Scikit-Learn, Tensorflow, PyTorch, Spacy, NLTK
- Web: HTML, CSS, JS

Certifications

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

Tools

- Machine & Deep Learning
- Spark, Hadoop, HDFS
- AWS, Microsoft Azure
- Docker, Kubernetes
- Microservice Architecture
- RESTful API
- Agile Methology Scrum

ⓘ Interests

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

Data Scientist & Cloud Engineer

Transforming Data into Actionable Insights Using AI & Analytics

💼 Professional Experience

Data Scientist | Airbus Defence and Space, Toulouse - France | July 2024 – Sept. 2025
Apprenticeship in the Data Analytics department, I work on AI related subjects.

Data Scientist: Development of **surrogate models** (Machine Learning) to optimize the correlation of **thermal models**. R&D on **temporal surrogate models** (Deep Learning) for satellite simulation and **dynamic orbit modeling**. Exploration of **LLMs** (Large Language Models) to develop **AI-powered tools** for data analysis and exploitation (RAG).

Data Scientist | CS Group, Toulouse - France | Sept. 2021 – July 2024
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 Scientist: 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 – July 2024
Doc2Value^{2}LLM 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.

🎓 Education

Advanced Master Artificial Intelligence & Business Transformation | Sept. 2024 – June 2025
ISAE-SUPAERO, IRT Saint-Exupéry, Toulouse Business School. Toulouse, France. Artificial Intelligence Internals, Digital & Systems Engineering, Project & Program Management, Business Aspects of Artificial Intelligence, Practical Skills

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