

Data & Software Engineer with a robust background in industry, proficient in harnessing the power of data analytics, identify opportunities and drive continuous improvement in product development.

## WORK EXPERIENCE

### Data Analytics & Software Development [Career Transition]

October 2023 - May 2025 - Paris, France

Development of skills in data analysis, science and engineering. Learning the various methods involved in the data mining chain, from extraction to exploitation: data ingestion, data governance, exploratory analysis and statistics, interactive dashboards and data visualization, predictive modeling and automation, supervised/unsupervised learning, generative AI features design (RAG + Agents).

### Maintenance Engineer & Production Lead pilot [Permanent]

Docaret for Dassault Aviation

October 2022 - September 2023 - St Cloud, France

- Managed outsourced production of Rafale maintenance documentation (France & International): XML deliverables oversight and versioning control, technical writing support, production load balancing and collaboration production process performance enhancement.
- Data governance and designed BI solutions for enhanced production tracking and documentation management on production line.

### Interdisciplinary Workshop Leader [Internship]

Safran Electrical & Power

July 2022 - Pitstone, United-Kingdom

Led interdisciplinary workshop (Industrialization, Engineering, Methods, Quality) to optimize the ENGINEUS engine mechanical parts assembly process through PFMEA, PDCA action plan, and control plan.

### Junior Project Manager [Internship]

Hertus Industries

March 2022 - June 2022 - Angoulême, France

Industrial optimization project management for carbon footprint measurement and reduction: designed strategy, authored Project Management Plan, led planning and daily advancement, coordinated resources, and presented results to the main customer of the company. Pinpointed and quantified 246 teCO2 reduction potential, representing a 10% decrease in the overall measured carbon footprint.

### Industrial Engineer [Apprenticeship]

Safran Electrical & Power

October 2019 - September 2022 - Niort, France

- Production line design: manufacturing process and assembling flowchart definition for ENGINEUS electrical engine assembly.
- Stakeholder (One Safran) in an international business transfer of electronical products: product compliance requirements analysis, BOM integration and manufacturing flowchart design.
- Conducted R&D on electrical busbars design and electromagnetic performances, saving 30% of weight.
- Green Belt Lean Six Sigma certification: automated manufacturing process variability reduction with statistical process control: OEE (from 40% to 80%) and Cp/Cpk levels (from 3 to 6 sigma), saving €23K/year by reducing non-compliance. Additionally developed an automated Power BI report for production performances follow-up.
- Conducted an automation study through collaborative robot (manufacturing data analysis results : saving €96K/year through time reduction).

### Methods Technician [Apprenticeship]

Safran Electrical & Power

September 2017 - September 2019 - Niort, France

- Managed non-conformance analysis, production orders, and tool management for day-to-day production.
- With manufacturing data (costs, load balances) and process flowcharts, I oversaw a production sector reimplementation, improved 5S standards and conducted a workshop Value Stream Mapping study (-23% in non-value-added movement). Additionally, conducted tech scouting for

## SOFT SKILLS

- ★ Team-oriented and collaborative
- ★ Effective communication and clear reporting
- ★ Curious, proactive, and self-driven
- ★ Analytical problem-solver
- ★ Committed to continuous improvement and innovation
- ★ Quick learner, motivated by challenges

## TECHNICAL STACK (See GitHub, Portfolio)

- Proficient in development and production **metrics** such as First Pass Yield (**FPY**), Overall Equipment Effectiveness (**OEE**), Mean Time Between Failures (**MTBF**), Mean Time To Failure (**MTTF**), **Takt Time**, and **Lead Time**.
- Experienced in enterprise systems including **Enterprise Resource Planning**, **Product Life Management** solutions, **CAD/CAM** tools and **3D modeling/points cloud**.
- Advanced in **Python**, **SQL** and **Zsh**, with foundational knowledge of **Scala**, **Java**, and **HTML/CSS**;
- Experienced in business intelligence (**Power BI**, **Google Looker Studio**) and database management (**PostgreSQL**, **AzureSQL**, **BigQuery**, **Neo4j**, **MongoDB**, **ChromaDB**);
- Skilled in data processing, analysis and visualization (**NLP Processing**, **Numpy**, **Pandas**, **Matplotlib**, **Plotly**, **Seaborn**, **Datashader**);
- Familiar with machine learning and deep learning frameworks with sensibilisation to MLOps (**Scikit-learn**, **TensorFlow**, **MLflow**);
- Experienced in cloud platforms (**Azure**, **GCP**, **AWS**) for datalakes, datawarehouses and deployments with control versionning and CI/CD methodologies (**Git**, **GitHub Actions**, **Docker**, **uv**);
- Experienced in pipelines, data engineering and big data tools (**Apache Spark**, **Apache Nifi**, **Kafka**, **ElasticSearch**, **Kibana**);
- Skilled in generative AI implementation, including **chunking**, **embeddings**, **vector storage** and **document retrieval**. Additionally experienced in **prompt engineering**, **agentic workflow** and **tool design**.

## CERTIFICATIONS

### Certificate of Excellence – Agents Course

Hugging Face - May 2025

### Certificate of Completion – Deep Reinforcement Learning Course

Hugging Face - April 2025

### Green Belt Lean 6 Sigma Industry

N° L6S-00429, february 2022

CESI Certifications

### PMI CAPM (course only)

Project Management Institute, March 2022 / June 2022

### English TOEIC

Listening & Reading score : 895

ETS Global

## EDUCATION

### Sorbonne Data Analytics - University Degree

2024/2025 - Paris, France

Paris 1 University - Panthéon Sorbonne

Acquisition of theoretical skills and practical application to master data analysis, engineering, and science, as well as generative artificial intelligence: a combination of mathematics, computer science, and statistics.

### General Sciences Engineering - Engineer's Degree

2019/2022 - Angoulême, France

CESI Engineering School

Teamwork project-based problem-solving learning methodology. General sciences and technologies, project management.

### Mechanical and Productual Engineering - Foundation Degree

2017/2019 - Poitiers, France

Poitiers University Institute of Technology

Mechanical design engineering (CAD, CAM).

Manufacturing, industrialization and production management.