

# Jean MILPIED

## Head of Data | Datascientist

Lieu : Paris, France | [jean.milpied@gmail.com](mailto:jean.milpied@gmail.com) | 0675471742

English - Fluent | French - Native



### MY PROFILE AND STRENGTHS

With over 15 years of experience in tech and innovation in the automotive, sensor, and energy sectors, I am a Python developer specialized in Data Science. I build, lead, and grow data teams with agility to maximize the impact on SaaS product business goals through data and machine learning. My driver is to have an impact through data and people!



<https://www.linkedin.com/in/jeanmilpied/>



<https://github.com/JeanMILPIED>

### EXPERIENCE

Since 09/2023 : Head of Data & Software platforms

*PowerUp - The SaaS for battery storage data*

- Leadership: Managing data (4+) and software (5+) teams, building the SaaS product BatteryInsights® roadmap using agile methodology (*Azure DevOps, Teams*). Impact: +30% of features delivered on time.
- Feature Development: Led the development of data and software features, including architecture decisions, distributed algorithms, backend ingestion, and UI/UX frontend, while monitoring performance on 1GB+ of data/day. (*Azure cloud, Python, Airflow, MLflow, Databricks, Spark, Timeseries, Docker, Pytorch*). Impact: 80% reduction in reported bugs.
- Onboarding Process: Led the redesign and standardization of the client onboarding process on the platform (*Python, Jupyter, Pandas*). Impact: 60% time saved for the technical team.
- Anomaly Detection Models: Developed models for detecting thermal anomalies and predicting the remaining lifespan of Lithium-Ion batteries (*Python, Scikit-learn, MLflow, Databricks*). Impact: 100% project objectives achieved + 1 SaaS feature deployed.

05/2020 – 09/2023 : Manager Data

*Altaroad - AI for material flow management in construction*

- Team Development: Developed and managed the data team (6) to execute the AI roadmap (*AWS, Lambda, Gitlab, Python, Docker*). Impact: +300% growth in the team's data skills.
- Product Line Development: Created a product line for intelligent image analysis of construction sites using custom computer vision models (*Tensorflow, Keras, YOLO*). Impact: +30% business volume generated.
- CO2 Balance Tool: Developed an automated CO2 balance calculation tool for construction sites (Scope 1/2/3) by compiling European data sources (*API, Lambda, Python, scraping*). Impact: 90% time saved for site CSR managers.
- Automated Information Extraction: Developed and deployed a model for automatic information extraction from material delivery slips images (*AWS Textract, Spacy, Pytesseract, API Gateway*). Impact: +20% correct completion of mandatory fields in the application.

05/2014 – 09/2019 : R&D Manager

*TE Connectivity - World leader in connectivity*

- Managed the R&D team (8+).
- Led sensor innovation projects (Rain sensors, headlight ignition, fluid quality) from mechanical design to embedded algorithms.
- Directed innovation and intellectual property strategy (processes, patents).

Impact: Managed an annual budget of €1.2M.

10/2008 – 05/2014 : Sensor Product Manager

*Measurement Specialties - World leader in sensors*

- Led the technological and commercial development of the fluid property sensor (FPS) product line and the associated engineering team.
- Directed projects from laboratory to production qualification for international automotive clients with embedded algorithms and software. (ISO TS 16949, Physics, Electronics).

Impact : Generated €1.3M in total revenue.

01/2005 – 10/2008 : Combustion Engineer

*IFP-Energies Nouvelles*

- Technical project leader for studies on optimal biofuel formulation for modern engines.

### PROJETS

2024 : [RAIZUUM](#) - parser for data expert resumes

2023 : Data democratization (11k LinkedIn followers)

2021 : ReparatorAI, Predicting the reparability of appliances (<https://reparatorai.streamlit.app>) (>100 users/month)

### EDUCATION & DATA PUBLICATIONS

05/2024: "Vision-based method to identify materials transported by dump trucks", Engineering Applications of Artificial Intelligence, Volume 135, 2024

2020: Data Scientist, Data Science Technical Institute, Master's in AI

2005: Combustion Engineer, IFP School, Master's in Process and Product Engineering

2003: Chemical Engineer, ENSCP, Master's in Chemistry