

# Warre Verlinde

Data & AI Consultant · Beernem, Belgium

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## SUMMARY

Data & AI consultant who owns the whole chain: getting data off machines and into the cloud, building the models that act on it, and keeping both running once real decisions depend on them. Strongest where data science meets physical systems – energy markets, industrial process control, and regulated data at scale.

## EXPERIENCE

### Data Engineer (internal)

Jan 2026 - Present

Axxes, Belgium

Building components and Airflow DAGs on Axxes' internal Azure lakehouse (medallion architecture), in active build-out as the foundation other data initiatives across the company will run on.

Azure Apache Airflow Python Data Engineering Medallion Architecture Spark

### Data Engineer

Jan 2026 - Present

KBC, Belgium

Building the ad-hoc data environment KBC uses to answer regulatory questions, including ECB onsite inspections – flexible by design rather than a fixed pipeline, on Databricks and PySpark, across heterogeneous banking sources under strict access and governance rules.

PySpark Databricks Data Engineering Data Governance Azure

### Data Scientist

Jan 2026 - Aug 2026

Orise, Belgium

Two industrial automation engagements: designed and economically validated an e-boiler dispatch strategy against energy markets for Pfizer, and built the coffee freeze dryer's advisory system and coffee roaster advisory system. Drove these projects into stabilization.

Python GAM Forecasting Time Series Energy Markets Model Predictive Control MLOps

### Full-Stack Data Scientist

Sep 2024 - Dec 2025

Prophesea, Bruges, Belgium

Owned the full chain from customer machines to production forecasts: time series pipelines from edge devices to cloud on one end, and the price and consumption forecasting models behind an Energy Management System on the other, running against real energy costs. Also ran a Dynamic Line Rating pilot with ECMWF, RMI and Elia for the DestinE project.

Python PyTorch Scikit Learn TimescaleDB NextJS Reinforcement Learning Forecasting

Edge Computing Docker

### Freelance ML Engineer

Apr 2022 - Jan 2023

Harbours.io, Remote

Sole engineer on an end-to-end computer vision service detecting piers in satellite imagery – from building the dataset, because none existed, through detection and segmentation models, to a monitored service in production.

MLOps Deep Learning Image Processing Object Detection Image Segmentation Remote Sensing

### Student job

Jan 2022 - Sep 2024

Prophesea, Bruges, Belgium

Joined as an intern and stayed on as a student worker, working on the design and development of the weather forecasting model Prophesea's energy products were later built on.

Weather Forecasting

Python

Hoofdanimator

Jan 2017 - Jan 2024

Gemeente Beernem, Beernem, Belgium

Seven years running activities at the municipal play scheme, coaching and evaluating the animators, and helping shape the programme from the steering group.

Coaching

Coordination

SKILLS

DATA SCIENCE & ML

|                          |                                                                    |
|--------------------------|--------------------------------------------------------------------|
| Machine Learning         | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Forecasting              | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Time Series              | <div><div></div><div></div><div></div><div></div><div></div></div> |
| PyTorch                  | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Deep Learning            | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Computer Vision          | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Reinforcement Learning   | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Model Predictive Control | <div><div></div><div></div><div></div><div></div><div></div></div> |
| pandas                   | <div><div></div><div></div><div></div><div></div><div></div></div> |

DATA ENGINEERING

|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| Spark / PySpark | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Airflow         | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Databricks      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| SQL             | <div><div></div><div></div><div></div><div></div><div></div></div> |
| PostgreSQL      | <div><div></div><div></div><div></div><div></div><div></div></div> |
| MQTT            | <div><div></div><div></div><div></div><div></div><div></div></div> |
| MongoDB         | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Redis           | <div><div></div><div></div><div></div><div></div><div></div></div> |

DOMAIN & INDUSTRY

|                            |                                                                    |
|----------------------------|--------------------------------------------------------------------|
| Energy Markets             | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Industrial Process Control | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Weather & Meteo Data       | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Banking Regulatory Data    | <div><div></div><div></div><div></div><div></div><div></div></div> |

PROGRAMMING LANGUAGES

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Python     | <div><div></div><div></div><div></div><div></div><div></div></div> |
| TypeScript | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Java       | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Haskell    | <div><div></div><div></div><div></div><div></div><div></div></div> |
| (node)JS   | <div><div></div><div></div><div></div><div></div><div></div></div> |

INFRA & TOOLING

|                |                                                                    |
|----------------|--------------------------------------------------------------------|
| Docker         | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Git            | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Azure          | <div><div></div><div></div><div></div><div></div><div></div></div> |
| GitHub Actions | <div><div></div><div></div><div></div><div></div><div></div></div> |
| NextJS         | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Flutter        | <div><div></div><div></div><div></div><div></div><div></div></div> |

EDUCATION

Master, Applied Informatics – Artificial Intelligence

Sep 2022 - Jun 2024

KU Leuven, Leuven, Belgium

Applied Informatics with a specialization in Artificial Intelligence, entered via the schakelprogramma (bridging program).

Bachelor, Toegepaste Informatica

Sep 2019 - Jun 2022

HOWEST Hogeschool West-Vlaanderen, Belgium

Bachelor's degree in Applied Informatics AI track.

Techniek-Wetenschappen

Sep 2017 - Jun 2019

TIHF, Belgium, Secondary education

Secondary education, science-technology track.

LANGUAGES

| LANGUAGE | UNDERSTANDING | SPEAKING     | WRITING |
|----------|---------------|--------------|---------|
| Dutch    | Native        | Native       | Native  |
| English  | Fluent        | Fluent       | Fluent  |
| French   | Intermediate  | Intermediate | Basic   |