Jordan
Delbar

ML & DATA ENGINEER

Experienced machine learning & data engineer focused on designing and building scalable data platforms and deploying production-ready ML models. Expertise in MLOps, cloud infrastructure, and end-to-end machine learning workflows, driving tangible business value through robust and reliable data systems.

CONTACT

 jordandelbar

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PERSONAL PROJECTS

jordandelbar/yolo-tonic

jordandelbar/predictive-maintenance-showcase

TECH STACK

Python	Rust
Go	Terraform
SQL	Scikit-Learn
PyTorch	PostgreSQL
Docker	Kubernetes
aws AWS	GCP

LANGUAGES

French	Native
English	Fluent
Dutch	Basic

CERTIFICATIONS

 Professional Machine Learning Engineer

WORK EXPERIENCES

Sep 2023 - Today   Croix, FR
SENIOR DATA ENGINEER – Exotec

As tech lead, I lead a team of 4 engineers in the construction of an event-driven data lakehouse within a broader AWS-based platform.
- Polars and Delta Lake for high-volume data ingestion, Airflow and Dbt with Athena for data marts development.
- Maintained a high test coverage (Pytest and Localstack) to ensure robust data quality and reliability.
- Integrated operational databases using DuckDB and Dbt for adhoc analysis.
- Implemented DBSCAN clustering (optimized via Optuna) and explored predictive maintenance via autoencoders, developing insights into potential equipment issues.
- Ran POCs with Neo4j for asset lifecycle, enhancing traceability and discovering maintenance patterns.

Feb 2022 - Sep 2023   Ronchin, FR
MACHINE LEARNING ENGINEER – Adeo - Leroy Merlin

Part of a transversal data team supporting ML initiatives across digital platform teams.
- Built MLOps infra for the website's ranking system backend, streamlining model deployment.
- Delivered a production-grade fraud detection pipeline for self-checkout increasing recall by 10% over legacy business rules, leveraging MLflow, Kafka, and FastAPI.
- Used Prophet, scaled on Kubernetes, for checkout traffic forecasting, optimizing resource allocation potential based on predicted demand.

Jul 2018 - Feb 2022   Mouscron, BE
DATA SCIENTIST – EOS Contentia Belgium

- Created a full data warehouse infrastructure from scratch, establishing a centralized source of truth for analytics purposes.
- Deployed ML debt scoring models via REST APIs (Scikit-Learn, FastAPI, Docker), streamlining the debt selection process to enable more informed and effective account prioritization.
- Migrated analytics dashboards from SAS to Power BI, reducing monthly total cost by 80%.
- Developed datamarts, enhancing data accessibility and reporting capabilities for 70 users.
- Implemented CI/CD pipelines with Jenkins and Git for automated deployments.
- Developed interactive R Shiny dashboards and supported change management during the technology transition.

Feb 2015 - Mar 2017   Brussels, BE
RELATIONSHIP MANAGER SMES – KBC Brussels Bank

Managed a portfolio of small business clients, providing financial solutions and developing interpersonal and analytical skills through client interaction and credit analysis.

Jun 2013 - Feb 2015   Brussels, BE
DATA ANALYST – Belgian Cancer Registry

Contributed to national cancer incidence studies, collaborating with KCE and other stakeholders. Extracted, transformed, and analyzed large healthcare datasets using SAS Base, contributing to research publications and policy reports.

EDUCATION

MASTER IN BIOSCIENCE ENGINEERING
Catholic University of Louvain

Master thesis about the impact of forest presence on real estate price in Wallonia (hedonic regression analysis using Stata).

2007 - 2012