

Alexis de Monts

Data Architecture Specialist from Ecole des Ponts ParisTech

+33 7 81 37 86 80 | alexis.demonts@email.com



Professional Experience

Senior Consultant

February 2023 – Present

EY - Paris, France

- Data Consultant at EY, driving large-scale cloud projects.
- Led Renault's FLMDH project, building a GCP Data Hub linking manufacturer and financial services.
- Deployed CI/CD pipelines, dbt workflows, and Dockerized solutions on Cloud Run.
- Improved data quality for Enedis, optimizing energy data exchanges.

Co-founder & CTO

2022 – 2024

Kadi - Paris, France

- Co-founded and led a mobile app project, overseeing technical architecture and deployment.
- Developed and deployed a Faster R-CNN model on Google Cloud (App Engine) for automated receipt detection and data extraction.
- Built scalable data workflows using Cloud Functions, Firestore, and BigQuery.
- Optimized end-to-end data pipelines, enabling successful deploy on Google Play and Apple Store.

Energy Market Analysis Intern

February 2020 – July 2020

TotalEnergies - Paris – GRP (Coupole)

- Analyzed global LNG and electricity markets, providing insights for the Total Energy Outlook.
- Developed and optimized Python-based tools to analyze LNG carrier routes and automate data workflows.
- Improved efficiency in identifying trends and ensuring data accuracy.

Education

MSc in mathematical Engineering - Politecnico di Milano

2021 - 2022

- Major de promotion.
- Cours clés : Financial Derivatives, Quantitative Risk Management, Machine Learning.

Master's in civil engineering - Ecole des Ponts ParisTech

2017 - 2022

- Diplôme d'ingénieur de l'Ecole Nationale des Ponts et Chaussées.
- Cours clés : Calcul des Structures, Génie Civil, Gestion de Projet.

Preparatory classes at Lycée Stanislas (Paris)

2015 - 2017

- intensive undergraduate studies in mathematics and physics.

Languages & Technical Skills

Languages: French (native), English (fluent), Italian (fluent), Russian (intermediate), Arabic (notions).

Langages : Python, SQL, C++ | **Frameworks :** TensorFlow, PyTorch, Scikit-learn, XGBoost | **Cloud/DevOps :** GCP, AWS, Docker, Kubernetes | **Outils Data :** BigQuery, Airflow, dbt, Spark | **Mathématiques :** Optimisation, Statistiques, Probabilités

Hobbies & Interests

Passionate about music (15 years of oboe conservatory, pianist), experienced sailor.