

Alexis de Monts

Data Architecture Specialist from Ecole des Ponts ParisTech

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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

Master of Science in Financial Engineering

2019 – 2021

Columbia University, New York

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

Diplôme d'ingénieur en Mathématiques Appliquées

2016 – 2019

École Polytechnique, France

- Spécialisation en Analyse de Données et Optimisation.
- Projet de fin d'études sur la modélisation des marchés de l'énergie.

Languages & Technical Skills

Langues : Français (natif), Anglais (courant)

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

- hobbies