Gueulette Arnaud

Cloud Data Engineer | Data Platform & Governance Practitioner

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Professional Summary

Data Consultant with 3 years of experience in designing and delivering data platforms, pipelines, and ML models. Specialized in Infrastructure as Code (IaC) using Terraform across AWS, with hands-on expertise in Python, SQL, and Docker. Proven track record in automating cloud infrastructure, building end-to-end data solutions, and translating business needs into scalable technical architectures.

Professional Experience

Data Consultant, Datashift NV

Feb 2025 – Present

- Scania CV – Data Governance Initiative
  Feb 2025 – Present
  - Leading cloud data engineering initiatives to support the integration of data governance practices at Scania, combining functional ownership of use case delivery with hands-on technical implementation in both Collibra and AWS (DEV, PROD). Responsibilities include designing and deploying end-to-end solutions leveraging Collibra Data Quality, metadata ingestion frameworks, and custom workflows, as well as building scalable AWS-based services to automate governance processes, enable lineage tracking, and enhance data quality monitoring.

Data Consultant, Sopra Steria Benelux

Sept 2022 – Jan 2025

- eu-LISA – Schengen Information System (SIS)
  June 2024 – Dec 2024
  - Enhanced and maintained eu-LISA's border security systems by developing, testing, debugging, and deploying improvements (PREPROD). Ensured system performance and compliance with EU standards. Collaborated across teams to integrate enhancements and documented processes to streamline future maintenance.

- EUROCONTROL – ISOBAR
  March 2023 – Oct 2023
  - Designed and deployed a multi-step flight forecasting model (via online endpoint) to support air traffic operators in optimizing arrival/departure flow based on weather conditions. The model significantly reduced manual workload and enabled data-driven operational decisions.

- Sopra Steria Benelux – Internal Projects
  Sept 2022 – Jan 2025
  - Researched and documented AI-powered development tools (e.g. Copilot, prompt engineering) to support SDLC tasks, highlighting productivity benefits and privacy risks.
  - Evaluated and prototyped Elasticsearch integration into existing data systems to improve search performance and query expressiveness.
  - Built an end-to-end pipeline to extract and process PDF-based energy consumption invoices into the SAS IBM Envizi ESG Suite, improving ESG reporting and internal analysis.
  - Delivered a POC data system that extracted KPIs from energy invoice data, supporting sustainability and cost-efficiency decisions.

Education

- ## Master's Degree in Data Science

  Option: Statistics | GPA: 3.0
  Université Catholique de Louvain, 2020 – 2023

- ## Bachelor's Degree in Business Engineering

  Option: Computer Science and Operational Research | GPA: 3.0
  Université Catholique de Louvain, 2017 – 2020

Technical Skills

Programming & Scripting
Python, SQL, Linux/Bash, Java

Data Engineering & Pipelines
Airflow, pandas/pySpark, dbt, DVC, MLflow

Data Systems
PostgreSQL, Microsoft SQL Server, MySQL, MongoDB, Elasticsearch, Snowflake, Dremio

Libraries & Frameworks
Scikit-learn, PyTorch, TensorFlow, SQLAlchemy, Pydantic, PyTest, Flask, FastAPI, ...

Cloud Platforms
AWS: S3, EC2, RDS, Glue, Athena, Lambda, Lake Formation, EventBridge, EKS, CloudWatch...
Azure: Data Lake, Data Factory, ML Studio

Dev, Infrastructure & Ops
Terraform, Terragrunt, Docker, Rancher, GitLab CI, Github Actions, Helm

Data Governance, Quality & BI
Collibra: Catalog, Lineage, Workflow, Integration, Collibra DQ, Soda, Great Expectations, Power BI, Grafana, Superset

Other Tools
Kafka, Debezium, Power Automate, ...

Soft Skills

Critical Thinking
Problem Solving
Continuous Learning
Agile & Iterative Delivery

Teamwork & Collaboration
Business-Driven Mindset
Languages: French (C2), English (C1), Dutch (B1)

Certifications

- [Collibra Solution Architect Certification](#)
- [AWS Certified Developer – Associate (DVA-C02)](#)
- [AWS Certified Solutions Architect – Associate (SAA-C03)](#)
- [AWS Certified CloudOps Engineer – Associate (SOA-C03)](#)
- [AWS Certified Data Engineer – Associate (DEA-C01)](#)

Other Achievements

- [EU Defence Innovation Scheme (EUDIS) – Hackathon 2024](#)

  Team EUnify – 1st (Belgium) – 3rd (Europe)