

Abdou Sadou

Data Manager · Data Governance · Business Intelligence · Big Data

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SUMMARY

Data professional with over 5 years of experience in data management, governance and value creation. Specialised in implementing data governance frameworks — data mapping, master data management (MDM), definition of roles and of usage and access rules, security — and in drafting data management procedures that comply with regulatory requirements (GDPR). Proficient in SQL and NoSQL, BI tools (Power BI, Tableau) and Machine Learning applied to improving data management. Proven experience in training users and supporting stakeholders in delivering their data strategy. Rigorous and curious, with excellent interpersonal skills.

KEY ACHIEVEMENTS

Reliable, value-generating customer data

One1Star Solutions

- Collected, cleaned and consolidated large volumes of customer data: quality and consistency controls.
- Developed interactive Power BI dashboards to refine market segmentation.
- Automated the analysis of consumer behaviour with Python and Big Data tools.

Optimised access to and sharing of academic data

University of Huddersfield

- Redesigned the document management and sharing system, making academic resources easier to access.
- Automated business processes with Power Automate and Office 365 to support lecturers' decision-making.
- Standardised and simplified information flows, cutting the time needed to find critical data.

Centralised, reliable network data

Ooredoo ISP

- Designed and deployed a SQL database centralising the tracking of network changes.
- Implemented an Oracle DB system to monitor network performance indicators.
- Improved the traceability and documentation of changes: fewer errors and duplicates.

Digitalised, secure information system

AGENOR

- Centralised servers and managed identities and access through an Active Directory infrastructure.
- Strengthened data security: advanced firewalling and VPN with Sophos XG.
- Built an optimised network architecture that made collaboration between departments easier.

PROFESSIONAL EXPERIENCE

Data Consultant — One1Star Solutions

October 2023 – Present · York, England

- Leads the implementation of data governance frameworks: data mapping, definition of roles and of usage and access rules.
- Drafts data management procedures and safeguards data integrity, quality and regulatory compliance (GDPR).
- Designs and optimises ETL processes, data models and workflows to strengthen BI capabilities.
- Identifies data value-creation use cases and drives scalable cloud solutions that enable automation.
- Provides strategic recommendations to stakeholders; manages architecture evolution and technical debt.

Lecturer (Business & Data Analytics) — University of Huddersfield

January 2023 – Present · Huddersfield, England

- Teaches business intelligence, data science and statistical analysis to master's students.
- Teaches SAP S/4HANA as an accredited SAP University Alliances educator: master data management (MDM) and end-to-end Sales & Distribution flows, from master data through to accounting and financial documents.
- Trains users in Python, SQL, Tableau and Power BI.
- Supervises applied research projects in data and machine learning.

Analytics and Planning Engineer — Ooredoo ISP

October 2020 – August 2021 · Algiers, Algeria

- Created and monitored network performance KPIs, driving a 15% reduction in external complaints.
- Developed automated dashboards and reports with Python, Pandas and Power BI.
- Designed an internal database ensuring the traceability and consistency of the network change history.
- Applied predictive analytics to optimise the allocation of network resources.

IP Engineer — Huawei Telecommunications

May 2020 – October 2020 · Algiers, Algeria

- Produced technical studies and low-level designs (LLD) for the modernisation of the Algerian ISP.
- Configured and deployed NE40E routers, S12700 switches and NCE servers; supervised subcontractor teams.

IT Engineer — AGENOR

October 2018 – May 2020 · Algiers, Algeria

- Designed BI reports with Excel and SQL for sales and financial analysis.
- Centralised the IT infrastructure with multi-site VPN access and data security measures.
- Drew up the IT charter and governance policies, improving security and operational efficiency.

PERSONAL PROJECTS

Projects designed, developed and deployed fully independently.

Inventara — inventory management SaaS (chemical industry)

FastAPI · Next.js · PostgreSQL

- Designed the master data repositories (products, third parties, warehouses): lifecycle management, referential integrity and controlled value lists to prevent duplicates and inconsistencies.
- Data quality and traceability rules: batch management with FEFO allocation and expiry dates, tested integrity constraints, and movement logging.
- Data protection: encrypted off-site backups with automated restore checks, and minimisation of personal data.

Decision Tree Builder — web-based decision-support tool

Next.js · TypeScript

- Modelled the data structure and enforced strict import validation: type, structure, depth and volume checks.
- Interactive tree evaluation, edit history (undo/redo) and multi-format exports (JSON, TXT, DOC).

EDUCATION

Postgraduate Certificate in Higher Education

2023 – 2024

University of Huddersfield · Huddersfield, England

Master's in Business Intelligence & Analytics

2021 – 2022

University of Huddersfield · Huddersfield, England

Master's in Computer Science

2016 – 2018

University of Science and Technology Houari Boumediene (USTHB) · Algiers, Algeria

Bachelor's in Electronics and Telecommunications

2012 – 2015

University of Science and Technology Houari Boumediene (USTHB) · Algiers, Algeria

CERTIFICATIONS

ECCMA — ISO 8000 Master Data Quality Manager Certificate

July 2026

Microsoft — Power BI Data Analyst Professional Certificate

March 2025

Google — Business Intelligence Professional Certificate

February 2025

Google — Advanced Data Analytics Professional Certificate

February 2025

Deloitte — Data Analytics Certificate

January 2025

KEY SKILLS / TECHNOLOGIES

- **Data governance and management:** governance frameworks, data mapping, master data management (MDM), data quality and consistency, management procedures, GDPR compliance, ETL
- **Databases (SQL & NoSQL):** SQL Server, PostgreSQL, Oracle, MongoDB
- **Programming and analytics:** Python, SQL, R, Apache Spark, Databricks
- **BI and visualisation:** Power BI, Tableau, Looker, Excel
- **Big Data and Cloud:** AWS, Azure, Google Cloud, Snowflake
- **Machine Learning and statistics:** predictive modelling, A/B testing, regression analysis
- **Project management:** Agile, stakeholder management, user training, risk management, cross-functional collaboration

LANGUAGES

French: fluent (DALF C2) · **English:** fluent · **Arabic:** native