

Sadjo BARRY

Data Engineer | Tech Lead (Data Platform – GCP)

Paris, France |

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SUMMARY

Data Engineer with **5+ years of experience** specializing in the design and industrialization of high-scale data platforms on **GCP (Google Cloud Platform)**. Currently acting as **Tech Lead**, driving data modeling, semantic layer design (Looker), and data platform structuring. Focused on building production-grade data products, optimizing BigQuery performance, and implementing governance-driven architectures for cross-domain data sharing.

PROFESSIONAL EXPERIENCE

Renault Group | Data Engineer | Tech Lead (Data Platform & BI) 2024 – Present

- **Leadership & Delivery:** Lead the structuring and industrialization of scalable data products on **GCP (BigQuery, Dataflow)** for HR & ISG domains within the DIR-CF scope (Direction Informatique Renault - Corporate Functions)
- **Offshore Management:** Coordinate an offshore data engineering team (India), ensuring delivery quality, technical alignment, and code standards.
- **Architecture & Standards:** Define and implement data standards to improve scalability, reliability, and system performance.
- **Data Modeling:** Design robust data models enabling cross-domain data sharing and scalable reporting.
- **Looker Semantic Layer:** Design and implement semantic layers using **LookML** to standardize KPIs and provide a governed Self-Service Analytics platform to the business.
- **Performance Engineering:** Optimize **BigQuery** performance (partitioning, clustering, query patterns) and significantly reduce query costs for large-scale analytical workloads.

Renault Group | Data Engineer (Data Platform & BI) 2020 – 2023

- **Solution Design:** Translated complex business requirements into scalable data solutions on GCP (BigQuery, Cloud Storage).
- **Pipeline Development:** Designed and implemented end-to-end data pipelines and data models.
- **BI Infrastructure & Governance:** Managed Spotfire administration, structured secure Information Links, and implemented deployment workflows to ensure governed data access across multiple domains.
- **Agile Collaboration:** Collaborated with international teams in an agile environment, taking ownership of complex technical topics to become a technical referent.
- **Continuous Improvement:** Ensured maintenance and optimization of existing data products.

SKILLS

- **Core:** Data Engineering, Data Modeling, Data Governance, Data Platform Architecture.
- **Technical:** GCP (BigQuery, Dataflow, Composer), SQL (Advanced), Python, Airflow, Looker / LookML, Spotfire (Admin).
- **Tools:** Git, CI/CD, Linux, Docker, Jira, Confluence, GCP integrated tools

RECENT KEY ACHIEVEMENTS

- **Structured enterprise data products on GCP** to enable governed cross-domain data sharing and scalable self-service analytics across Corporate Functions.
- **Cost Optimization:** Reduced BigQuery analytical costs by 20% through query pattern optimization and partitioning strategies.
- **Standardization:** Established a unified LookML semantic layer, significantly reducing KPI discrepancies across business units
- **Global deployment** of Learning & Digital dashboards supporting 50k+ end users with governed and role-based data access

EDUCATION

- **Engineering Degree in Computer Science (Diplôme d'ingénieur)** | Sup Galilée (2019–2022)
- **Bachelor's Degree in Computer Science** | Université Ibn Zohr (2016–2019)