Data&Cloud Engineer

Djouldé BARRY

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📚 *SKILLS*

Functional Skills :

- Database modeling and management (PostgreSQL, SQL Server, etc.)
- Development and automation of ETL/ELT pipelines
- Data flow optimization and security
- Reporting and decision support
- Agile and DevOps collaboration

Industries : All sectors

💻 *TECHNICAL SKILLS*

TOOLS : GitlabCI, GithubActions, Jira/Confluence, Jenkins, PowerBI, Airflow , Nifi

LANGUAGES / FRAMEWORKS : Python, PySpark, PL/SQL, NoSQL

CLOUD: GCP, AWS, Databricks, DBT

SYSTEMS : Windows, Linux/Mac

SECURITY/NETWORK : ELK, Kafka, Grafana, Prometheus , Docker

DATABASE/STORAGE : PostgreSQL, SQL Server, Oracle, ClickHouse, InterSystems IRIS, MongoDB

METHODOLOGIES : Agile Scrum, DevOps

💼 PROFESSIONAL EXPERIENCE

ONCOPOLE CLAUDIS RIGAUD – *Data Engineer*

Since 10/2024 – Present

Project (Oncolab) : Advanced data processing solutions to optimize oncology research and innovation.

- Developed scalable data pipelines on GCP for integrating data from EHR and clinical data warehouses.
- Processed and harmonized healthcare data according to HL7, FHIR, and OMOP standards to ensure interoperability.
- Migrated data transformations to DBT, structuring models with clear staging, intermediate, and mart layers.
- Automated workflows execution using Airflow/Composer with parameterized runs of DBT models.
- Collaborated with research and analytics teams to align data models with business needs.
- Documented the entire project, including DBT model logic and data lineage.

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Environment : Databricks, Pyspark, GCP (BigQuery, Cloud Storage, CloudRun, Composer,
Dataflow), SQL, ClickHouse, InterSystems IRIS, GithubActions
Data Standards : HL7, FHIR, CDA, OMOP, DICOM
Methodology : Agile (Kanban)
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ARISTID RETAIL TECHNOLOGY – *Data Engineer*

10/2023 – 09/2024

Project 1 : Competitive pricing analysis

- Designed SQL transformation models in Snowflake.
- Used Tasks and Stored Procedures for workflow orchestration.
- Implemented data quality tests and anomaly detection alerts.
- Automated execution via Cloud Composer.
- Maintained model traceability in Git.

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Environment : Databricks, Pyspark, GCP (BigQuery, Cloud Storage, CloudRun, Cloud
Composer, Dataflow) Airflow, GithubActions, Docker, Jenkins, Jira/Confluence
Methodology : Agile (Scrum)
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Project 2 : Billing system overhaul and industrialization of analytics models.

- Migrated the billing architecture to a more efficient structure (GCP)
- Automated pipelines and continuous monitoring for data reliability.
- Applied CI/CD best practices for analytics solution deployment.
- Documented the project in Confluence.

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Environment : Python, ELK, SFTP, Airflow, BigQuery, GraphQL, Cloud Storage, Cloud SQL,
GithubActions, Jira/Confluence
Methodology : Agile (Scrum)
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IQVIA – *Analytics Engineer*

11/2021 – 09/2023

Project 1 : Automated weekly/monthly pricing files for pharmacy clients

- Designed and implemented an automated data pipeline using Talend.
- Optimized queries and validated data structures.
- Documented the project in Confluence.

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Environment : Talend, PostgreSQL, Oracle, GitlabCI, Jenkins, Jira/Confluence
Methodology : Agile (Scrum)
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Project 2 : Automated feedback generation for physicians.

- Developed high-performance ETL pipelines.
- Created data visualizations using Power BI.
- Documented the project in Confluence.

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Environment : Talend, SQL Server, Oracle, PowerBI, GitlabCI, Jenkins, Jira/Confluence
Methodology : Agile (Scrum)
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🎓 EDUCATION

2021 – Master's Data Engineering - YNOV CAMPUS

2019 – Bachelor's in Computer Science – University of Montpellier

🌐 LANGUAGES

English : Professional proficiency

French : Bilingual

Pulaar (Peulh) : Native