Contacts

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Portfolio
https://kimbasabingoye.github.io

Skills

Technical:

- Python, SQL, Bash
- Spark, Airflow, Kafka, DBT
- GCP, AWS
- Docker, Kubernetes
- PostgreSQL, MySQL
- MongoDB, Cassandra
- Tableau

Soft:

- Problem-Solving
- Communication
- User-Centric Mindset

Certifications

- Data Engineering Professional Certificate, **IBM**
- Google Project Management, **Coursera**
- Cloud DevOps Engineer Nanodegree, **Udacity**
- AWS Certified Cloud Practitioner, **AWS**

Languages

English (Full Professional Proficiency)

French (Native)

Kimba SABI N'GOYE
Data Engineer

Data Engineer with a proven track record of designing, implementing, and optimizing data pipelines, architectures, and cloud solutions. My internship at Renault showcased my ability to harness data's strategic value, delivering innovative solutions to complex challenges. At Huawei, I honed my skills in critical production environments, ensuring the reliability and performance of high-impact systems. With a strong analytical mindset and a structured approach, I excel at solving complex problems and driving data-driven initiatives.

EXPERIENCES

Renault Group   **04/2024 - 09/2024**
Cloud & Data Engineer Intern   **Boulogne-Billancourt(France)**

- Developed and deployed ELT pipelines using Python, SQL and GCP (Cloud Composer, BigQuery, GCS), integrated with GitLab CI/CD for automated workflows.
- Created a coding assistant combining LLM with rule-based logic to generate code, aiming to reduce ETL development time by 30%.
- Developed a user-friendly tool for the business team to execute acceptance testing on tables produced by the data pipelines, enabling them to perform tests without SQL knowledge and automating test execution.
- Collaborated in an agile environment, leveraging Jira and Confluence for project management and documentation.

Huawei Technologies Co. Ltd   **05/2022 - 09/2023**
Software Engineer   **Cotonou(Benin)**

- Successfully led the deployment of a Business and Support System platform for a telecom operator, supporting over 1 million subscribers
- Performed end-to-end system integration and worked with R&D and other platform teams to resolve complex technical issues, achieving seamless integration across multiple telecom systems.
- Collaborated with the operator to conduct rigorous User Acceptance Tests, ensuring timely delivery of functionality and maintaining 100% system uptime post-launch.
- Provided post-launch support, gathering enhancement requests and proactively addressing system issues, contributing to ongoing system reliability and high client satisfaction.

PROJECTS

Data warehouse for a waste management company.
- Identified the company's analytical needs.
- Designed and implemented a data warehouse on PostgreSQL, including data migration and schema design.
- Developed interactive dashboards with Tableau to visualize KPIs.

Toll Traffic Data Integration system.
- Designed and implemented an architecture for real-time toll data ingestion using Google Cloud Pub/Sub.
- Developed and orchestrated ETL pipelines with Google Cloud Dataflow and Cloud Composer.
- Integrated Google BigQuery as the data warehouse.
- Architected a Toll Traffic Data Integration system.

EDUCATION

Université Paris-Saclay   **09/2023 - 10/2024**
MSc. Data Management in Large-Scale Distributed Systems
Relevant Coursework: Data Management Architectures, Post-Relational Models and Ecosystems, Data Integration and Data Quality, Data and Services Management in the Cloud, Service-Oriented

Institut de Mathématiques et de Sciences Physiques   **11/2020 - 10/2022**
MSc. in Data Science
Relevant Coursework: Machine Learning, Cloud Computing, Distributed Databases, Data Visualization with Tableau, Software Engineering

Institut de Mathématiques et de Sciences Physiques   **11/2016 - 08/2020**
BSc. in Computer Science

References available upon request