

ROSE KIMONDO

Data & Analytics Engineer | rosewairimul@gmail.com | [Portfolio](#) | [LinkedIn](#) | [Github](#)

PROFESSIONAL SUMMARY

Data & Analytics Engineer with experience designing **end-to-end data collection, integration, transformation, and analytics solutions**. Skilled in building automated data pipelines, developing relational data models, writing complex SQL queries, and implementing data quality and validation processes. Experienced in working with **ODK, SurveyCTO, Python, MySQL, and BI dashboards**, including developing data-driven dashboard features directly within application codebases. Strong background in **research, data analysis, and business intelligence**, with a focus on transforming complex and diverse datasets into reliable information and actionable insights.

SKILLS

Python | SQL | Pandas | MySQL | Metabase | ODK Central | SurveyCTO | SQLAlchemy | Git | GitHub

WORK EXPERIENCE

Data & Analytics Engineer | SOPAMI

Nairobi, Kenya/Remote

March 2025 – Present

[SOPAMI](#) is an agri-tech company providing digital solutions for agricultural data collection, traceability, monitoring, and analytics across key value chains in Kenya, Madagascar, and Burundi.

- Design and maintain **end-to-end mobile data collection pipelines** using XLSForm and ODK, from form design and deployment through ODK Central/SurveyCTO to backend data integration.
- Build and maintain **automated data ingestion, transformation, and ETL pipelines** using Python, processing data from ODK Central, SurveyCTO, and other operational sources into structured database records while enforcing data integrity and storage conventions.
- Develop **interactive data dashboards and reporting features within the application codebase**, implementing the data-processing and Python backend logic and integrating it with frontend components for data visualization.
- Develop and optimize **SQL queries and relational data models** using MySQL for data processing, reporting, analytics, and operational decision-making.
- Build **data validation and quality-control processes** to ensure accurate, consistent, and reliable datasets across multiple data sources.
- Transform and integrate **structured and semi-structured data**, including JSON, Excel, and survey data, into reliable datasets for analysis and reporting.
- Develop **automated scheduled workflows** to process, synchronize, and integrate incoming data across multiple systems and sources.
- Create and maintain **Metabase dashboards and analytical queries** to support operational monitoring, reporting, and data-driven decision-making.
- Use **Python, Pandas, SQLAlchemy, Flask, JavaScript, and frontend technologies** to deliver end-to-end data and analytics solutions.
- Work with **AWS RDS, S3, Git, and GitHub** to maintain reliable and scalable data systems.

Data Analyst | Freelance

January 2025 - March 2025

- Utilizing data analysis and visualization tools (Metabase and Power BI) and programming

languages (Python) to effectively communicate findings to stakeholders.

- Cleaning, transforming, and preparing raw data using SQL and Excel, ensuring accuracy and readiness for advanced analysis.
- Collaborating with cross-functional teams to design experiments and evaluate outcomes, leveraging statistical knowledge to optimize workflows and increase efficiency.
- Applying statistical methods to analyze large datasets, identify trends, and provide actionable insights for business decision-making.

Research Analyst | Ask Wonder

Remote

October 2018 - December 2023

Ask Wonder (Wonder) was a research and business-intelligence company providing on-demand data collection, market research, and analysis to support business and strategic decision-making.

- Conducted **data-driven market and business research**, collecting and analyzing quantitative and qualitative information across companies, industries, and markets.
- Collected, structured, cleaned, and **validated datasets from multiple sources**, including company reports, market statistics, financial information, and public databases.
- Used **Excel and Google Sheets** to organize, compare, analyze, and present large volumes of research and numerical data.
- Performed **comparative and trend analysis** across companies, markets, industries, and financial or operational metrics to identify relevant insights.
- Cross-checked data against multiple independent sources to identify **inconsistencies, gaps, and discrepancies**, improving the accuracy and reliability of research outputs.
- Synthesized quantitative and qualitative findings into **structured reports and actionable insights** to support business and strategic decision-making.
- Managed multiple research and data-analysis projects simultaneously, working with diverse datasets and delivering **accurate, evidence-based findings under tight deadlines**.

EDUCATION

Moringa School: Data Science | 2023 - 2024

Moringa School: Software Development | 2020 - 2021

University of Nairobi: B.Sc. Quantity Surveying (Construction) | 2014 - 2018

LANGUAGES: English: Native | Swahili: Native