

# Joyce Kimaiyo

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Portfolio Website: <https://joykimaiyo.github.io/>

## PROFESSIONAL SUMMARY

A solutions-oriented Data Engineer with proficiency in building efficient and maintainable data pipelines using SQL and Python. Familiar with both batch and real-time data environments as well as a variety of data modeling techniques and data warehousing solutions. Proven ability to create compelling data visualizations and effectively communicate findings to non-technical audiences. Eager to contribute to the organization culture of growth and innovation by developing reliable data solutions to support better decisions in the company's marketing activities.

## SKILLS

SQL, Python, Data Modeling, ETL/ELT, Cloud Computing (AWS), Data Visualization (Looker, Power BI and Streamlit), Communication, Adaptability, Collaboration and Presentation.

## PROJECTS

### AI CV Builder

Built a web app that simplifies the job application process by scraping LinkedIn job data using Python, storing it in MySQL, analyzing job descriptions with Natural Language Processing, and building a web app that generates tailored CV and cover letters using Gemini. [LIVE APP](#)

### Real-Time Analytics

Scraped data from YouTube's tech niche using yt\_dlp, streamed it using Kafka, stored it in MySQL (AWS RDS), and visualized insights with Looker Studio. [Live Dashboard](#)

### Tech Talk Trends

Built a web app automated data pipeline to scrape trending posts from tech subreddits using Reddit API, stored in MySQL, orchestrated with Airflow, and presented in a Streamlit web app. Provides AI-powered explanations and real-time insights. [LIVE APP](#)

## EDUCATION

2017 – Dec 2022

Maasai Mara University - Bachelor of Arts in Communication and Public Relations (Second Class Upper Division)

2013 – 2016

Metkei Girls High School - Kenya Certificate of Secondary Education (KCSE), Grade B+

## CERTIFICATIONS

IBM: ETL and Data Pipelines with Shell, Airflow and Kafka

<https://www.coursera.org/account/accomplishments/certificate/0MC7WQTM12OX>

FreecodeCamp.org: Relational Database

<https://www.freecodecamp.org/certification/JoyceKimaiyo/relational-database-v8>

Microsoft: Work Smart with Excel

<https://www.coursera.org/account/accomplishments/verify/4B2YELEBYZJH>

Meta: Python for Data Analysis

<https://www.coursera.org/account/accomplishments/verify/D3K65QVX8NX4>

## ACTIVITIES AND INTERESTS

Reading, Networking, Writing and Coding

## REFERENCES

Mumali Sadiq

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