Hillary Amolo

Data Engineer | Data Analyst

Versatile Data Engineer and Data Scientist with 2+ years of experience extracting insights and building data-driven solutions. Proficient in designing and optimizing data pipelines for scalable analytics and real-time processing using Python (Pandas, PySpark), SQL, Airflow, and Spark. Experienced with Kafka, AWS, GCP, and Snowflake. Skilled in developing dashboards with Grafana and Power BI to deliver actionable insights.

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⭘ github.com/HillaryOnyango

WORK EXPERIENCE

Software Developer
Podi Software Consultancy

06/2023 - 03/2025   *Nairobi Kenya*

Podi is a software Consultancy Firm.

Achievements/Tasks

- Built scalable data-driven web applications and integrated Power BI, Tableau, and Excel for dynamic reporting. Engineered ETL workflows and performed data analysis using Python (NumPy, Pandas, Matplotlib, Plotly). Designed, managed, and optimized SQL databases(PostgreSQL). Ensured seamless version control with Git/GitHub. Applied data storytelling and statistical methods to enhance reporting accuracy and business insights.

Contact : Frank Midigo - +254 790 593508

Internship Position
Ajira Tech Solutions

10/2022 - 04/2023   *Nairobi, Kenya*

Achievements/Tasks

- Developed scalable web applications using Python (Pandas, Matplotlib, Plotly) and built interactive dashboards with Power BI, Tableau, and Excel for data-driven decision-making

- Implemented cloud-based solutions (AWS) for scalability and security, ensuring efficient version control and documentation with Git and GitHub .

Contact : Dickens Odera - 0714905613

EDUCATION

Computer Science
Masinde Muliro

09/2017 - 12/2022   *Kakamega ,Kenya*

Courses

- Computer Science

SKILLS

Data Visualization: Excel, Tableau, Power BI

Python (NumPy, Pandas, Matplotlib,Plotly)

- Databases: SQL   Version Control: Git, GitHub

Cloud Technologies: AWS, GCP

Building ETLPiplines WITH Appache Airflow

ACHIEVEMENTS

Ma3Flow – Smart Mobility Pipeline (Ongoing Project) (07/2025 - Present)

Currently designing a real-time traffic monitoring pipeline tailored to Nairobi's urban environment, leveraging APIs, NLP, and geospatial data to reduce congestion and enhance route planning for commuters and urban planners.

Climate-Aware ETL Pipeline (12/4 - 2025)

Developed a robust data pipeline that ingests, stores, and analyzes weather data across 15 Kenyan regions, enabling predictive insights for farmers, NGOs, and policymakers to support climate-resilient agriculture

FinBot – React Native Chat App for Personal FinanceT(eam Project) (06/2025 - Present)

A cross-platform mobile app that serves as a personal finance chatbot. Features include multi-format message rendering (text, images, tables, charts), file attachment support, swipeable sidebar for multi-conversations, and integration with backend AI via REST API. Designed with accessibility, adaptive UI, and financial data visualization in mind.