IMANI MICHAEL

Michaelimani396@gmail.com| 0769853851| LinkedIn: https://www.linkedin.com/in/michael-imani-9b4876354/| GitHub: https://github.com/dev-imani| Portfolio Software Engineer | Nairobi, Kenya

EXPERIENCE

Data Engineering Zoomcamp   *Janury-April 2025*

Completed a 9-week data Enginering development training program , gaining hands-on experience in Docker, PostgreSQL, GCP, Terraform,, Google Cloud Storage, BigQuery, dbt, BI tools, Apache Spark, Spark SQL, Kafka, , Also developed strong soft skills in communication, leadership, team collaboration, and technical writing

ALX Data Enginering Program   *February 2026*

Currently enrolled in a professional program to deepen expertise in **data engineering, cloud technologies, and large-scale data systems**.

Engaging in hands-on projects to enhance proficiency in **ETL/ELT design, data modeling, and orchestration tools**.

PROJECTS

Real-Time Stock Market Data Pipeline   *December 2025 – Present*

Built an end-to-end real-time pipeline with **Snowflake, dbt, Airflow, Kafka, and Power BI**. Captured live stock quotes via **Finnhub API**, streamed data with Kafka into MinIO, and applied **medallion architecture** in dbt. Reduced latency by **20%**, optimized Airflow workflows to cut ETL failures by **15%**, and delivered automated Snowflake tables with interactive **Power BI dashboards** (candlestick charts & KPIs).

FreeCodeCamp Data Engineering ELT Project   *September – December 2025*

Developed a containerized ELT pipeline using **PostgreSQL, Airflow, dbt, Python, and Docker**. Automated extraction/loading with Python scripts, reducing manual intervention by **40%**. Implemented data quality checks and error handling, improving pipeline reliability by **30%** and achieving **99% workflow success rate** in Airflow. Delivered production-ready PostgreSQL databases and scalable dbt models for faster analytics and BI reporting.

COMMUNITY

Web development member of Computer Society of Kirinyaga Sep 2024 - Now Mentored and guided some students through their technology journey, organizing and attending community events to help them understand the career landscape. Fostered a positive environment, leading by example in teamwork, leadership, mentoring, and effective communication.

EDUCATION

Kirinyaga UniversityBachelor's of Science in Software Engineering Kirinyaga University Specialization: Web Development, Mobile Development, Machine Learning

Related Coursework: Data Structures and algorithms, Client & Server Side Programming, Object Oriented Programming, Statistics and Discrete Mathematics, Linear Algebra and Calculus, Machine Learning, Database programming

TECHNOLOGIES

Languages:

TypeScript Javascript, Python

Frontend: React, Tailwind CSS

Backend: Node.js, Express,

Cloud: Azure

Visualization: PowerBI

Databases: PostgreSQL, MongoDB

Tools: Github, Docker, AWS, Azure, Linux

Big Data Technologies: Apache SparK

Warehousing: Snowflake