

STANLEY MWANGE

📍 Nairobi, Kenya

☎ +254 708 967 800

✉ mwangestanley02@gmail.com

PROFILE

Experienced and solutions-oriented **Senior Database Engineer** with a strong background in **PostgreSQL administration, database design, and ETL development**. Proven track record of building and optimizing scalable database systems, automating database operations using **Bash scripting** and **Linux tools**, and supporting data-driven decision-making through robust data engineering practices. Skilled in collaborating with cross-functional teams and stakeholders to deliver secure, high-performance, and reliable data infrastructures.

CORE COMPETENCIES

- **Database Engineering:** PostgreSQL, MySQL, SQL Server, MongoDB
 - **Scripting & Automation:** Bash and Python,
 - **Data Engineering & ETL:** Airflow, Custom ETL Pipelines, Data Migration
 - **DevOps & Infrastructure:** Linux (Ubuntu,), Docker, AWS (EC2, RDS, S3)
 - **Monitoring & Performance:** Query Optimization, DB Tuning, Backup/Recovery
 - **Tools & Reporting:** Power BI, Tableau, Excel, SQL, CKAN, Matplotlib
-

PROFESSIONAL EXPERIENCE

Data Engineer

Fourbic Limited | Nov 2024 – Present

- Designed, implemented, and optimized ETL pipelines for structured and unstructured data from multiple sources.
- Developed automated backup and recovery processes for PostgreSQL databases on AWS.
- Managed performance tuning and capacity planning for growing data workloads.
- Built internal dashboards for data visibility and system monitoring.
- Automated routine database tasks using Bash scripts.

Tools: *PostgreSQL, Bash, AWS EC2/S3, Python, Ansible, CKAN*

Data Analyst

GCS Ltd. | Sep 2023 – Present

- Led data integration and migration efforts for cross-platform datasets using SQL and Python.
- Supported internal reporting with query optimization and efficient data modeling.
- Worked closely with stakeholders to define data requirements and develop scalable solutions.

Tools: *SQL, Power BI, Python, Excel, MySQL*

Data Analytics Trainee

Primo Academy | Aug 2022 – Feb 2023

- Built dashboards and performed detailed exploratory data analysis for real-world case studies.
- Participated in ML pipeline development and report automation.

Tools: *Power BI, SQL, Python*

KEY PROJECTS & IMPACT

AI-Powered USSD Learning App (2025)

- Developed an AI-powered USSD app that delivered real-time quiz content to remote learners.
- Integrated backend databases and ensured reliability under high usage.

Tech: *PostgreSQL, Flask, USSD, Python*

Hackathon Winner – Impact Africa x Groq (2025)

- Led team to 1st place by creating a low-latency AI system for rural education via USSD.
- Demonstrated server-client architecture for real-time AI interaction.

KEMRI Hackathon (2022)

- Built a relational data model to optimize health system workflow, increasing reporting efficiency by 35%.

EDUCATION

Bachelor of Science in Business and Information Technology

Dedan Kimathi University of Technology