DAVID MUTHEE KINGORI

Software Developer

Email: mutheedavid12@gmail.com

Phone: 0791387154

GitHub: github.com/Davidmuthee12

PROFESSIONAL SUMMARY

Passionate Full-Stack Software Developer with experience building scalable web applications and backend services using Golang, Python, TypeScript, React, Next.js, FastAPI, and PostgreSQL. Skilled in designing RESTful APIs, authentication and authorization systems, database modeling, caching strategies, and cloud deployment. Experienced in developing production-ready applications with modern software engineering practices including API documentation, testing, containerization, CI/CD, and database migrations.

TECHNICAL SKILLS

1. **Programming Languages:** Go (Golang), Python, TypeScript, JavaScript, SQL
2. **Frameworks & Libraries:** FastAPI, React, Next.js, Golang Gin, Golang Chi, SQLAlchemy, Pydantic, Tailwind CSS,
3. **Databases:** PostgreSQL, MySQL, MongoDB, Firebase, SQLite
4. **Backend & API Development:**
    - REST API Design,
    - JWT Authentication,
    - OAuth2 Authentication
    - API Documentation (OpenAPI/Swagger),
    - Database Migrations with Alembic, goose, Golang migrate,
    - Role-Based Access Control (RBAC),
    - Rate Limiting,
    - Background Tasks
5. **DevOps & Tools:** Docker**,** Git, GitHub, Postman, VS Code, CI/CD Workflows

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PROFESSIONAL EXPERIENCE

Software Developer

Africa AI Network | December 2025 – Present

- Built scalable and reusable frontends for company web platforms
- Collaborate with backend developers to integrate RESTful APIs to the frontends
- Participate in code review sessions

Frontend Developer

Yohpal International Company Limited | April 2025 – November 2025

- Built scalable and reusable frontend components using React
- Collaborate with backend team to integrate APIs
- Participate in code review sessions

Industrial Attachee

State Department for Trade and Investment | September 2024 – November 2024

- Provide IT support for other staff members
- Assist in network maintenance

PROJECTS

1. **African AI Network Website**

   Tech Stack: React + Vite, sanity CMS

   Contributed to the Revamp of African AI Network Organization Website Ensuring user friendly experience.

   What I Implemented: User Authentication flow, landing Page and All the Subsidiary Pages. Integration restful APIs to the frontend and Integrating Sanity CMS to the Frontend.

   Link: africanainetwork.com

2. African AI Network LMS System

Tech Stack: Nextjs, Tailwind css, shadcn

Contributed to the revamp and development of the AAN Lms system to support user learning experience. Developed modules such as chat system, referral system etc.

Link: lms.africanainetwork.com

3. Fastship API Platform

Tech Stack: Python, FastAPI, PostgreSQL, SQLAlchemy, Alembic, JWT Authentication, Pydantic, Docker

Developed a production-style backend Shipment application using FastAPI and PostgreSQL while learning modern API development practices.

Key Features:

- Designed and implemented RESTful APIs using FastAPI.
- Built secure authentication and authorization flows using JWT tokens.
- Implemented database models and relationships using SQLAlchemy ORM.
- Managed schema evolution and database versioning using Alembic migrations.
- Applied request validation and serialization using Pydantic.
- Integrated PostgreSQL for persistent data storage.
- Created interactive API documentation using OpenAPI/Swagger.
- Implemented dependency injection and modular project architecture.
- Containerized services using Docker for consistent development environments.

GitHub: https://github.com/Davidmuthee12/learn_fastapi

4. Ride Sharing Backend System

Tech Stack: Golang, MongoDB, JWT Authentication, REST APIs, Docker, Redis

Designed and developed a backend distributed system for a ride-sharing platform focused on scalable architecture and real-world transportation workflows.

Key Features:

- Designed RESTful APIs for rider and driver interactions.
- Implemented authentication and authorization using JWT.
- Built booking and ride management workflows.
- Applied clean architecture principles and separation of concerns.
- Implemented middleware for request validation, security, and error handling.
- Utilized Redis for caching and performance optimization.
- Developed reusable service and repository layers for maintainability.
- Created production-ready API documentation and testing workflows.

GitHub: github.com/Davidmuthee12/ride-sharing

EDUCATION

Diploma in Information Communication Technology

Nairobi Institute of Business and Technical Studies

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Cybersecurity and Emerging Technologies Awareness Training – Conducted by ICT Authority in collaboration with IBM

SOFT SKILLS

- Team Collaboration
- Communication Skills
- Problem Solving Skills

REFERENCES

Ernest Brian

Senior Developer

Email: musaubrian45@gmail.com

Dennis Maina

Team Lead and Managing Director, Yohpal

Email: kamwenemaina@gmail.com

Mehetabel Gatobu

Assistant ICT Manager, State Department for Trade and Investment

P.O. Box 30430-00100, Nairobi