

ZADOK MUTETHIA MBITI

Backend Developer | ICT Professional | Cloud Computing Enthusiast

 +254 799 867 545

 zadokmbiti@gmail.com

 LinkedIn: [linkedin.com/in/zadok-mutethia](https://www.linkedin.com/in/zadok-mutethia)

 GitHub: github.com/zadokmbiti-tech

PROFESSIONAL SUMMARY

I am a ICT Management Graduate (expected to graduate in November) from Maseno University with practical experience in cloud computing, networking, system administration, and software development gained through internship training at Konza Technopolis Development Authority (KoTDA), where I supported enterprise ICT infrastructure, cloud computing initiatives, network administration, and system monitoring. Having witnessed KoTDA's mission to build a thriving smart city firsthand, I am eager to continue contributing to this vision as an ICT Intern.

Proficient in Python, FastAPI, Django, PostgreSQL, JavaScript, Linux, and database management. Experienced in developing web-based business applications and supporting enterprise ICT infrastructure. Passionate about cloud technologies, backend development, and digital transformation. I'm seeking opportunities as a Junior Software Developer, ICT Officer, Cloud Support Associate, or Graduate Technology Trainee.

CORE TECHNICAL SKILLS

Programming Languages

- Python
- JavaScript
- PHP
- Java

Web Development

- FastAPI
- Django
- HTML5

- CSS3
- REST APIs

Databases

- PostgreSQL
- MySQL

Cloud & DevOps

- AWS Fundamentals
- Linux
- Git

System Monitoring

- Networking & Infrastructure
- Network Administration
- LAN/WAN Configuration
- Network Troubleshooting
- ICT Infrastructure Support

PROFESSIONAL EXPERIENCE

ICT Attachment Attachee

Konza Technopolis Development Authority (KoTDA)

May 2025 – August 2025

- Supported enterprise ICT infrastructure operations including networking, system administration, and end-user support.
- Assisted in cloud computing initiatives involving deployment, monitoring, and management of cloud-based resources aligned with KoTDA's smart city infrastructure goals.
- Diagnosed and resolved hardware, software, and network-related issues. Reducing downtime and improving service reliability.

- Collaborated with DevOps and infrastructure teams on system monitoring and service optimization activities.
- Documented technical procedures and ICT workflows to improve operational efficiency.
- Gained practical experience in enterprise networking, cloud technologies, and digital infrastructure, and the operational realities of a smart city environment.

TECHNICAL PROJECTS

Drumvale Welfare Association Management System

FastAPI | PostgreSQL | JavaScript

Developed a welfare management platform supporting member registration, contribution tracking, event management, attendance monitoring, and financial reporting.

Designed and implemented PostgreSQL database architecture for secure member and contribution records.

Built dashboards for monitoring welfare activities and contributions.

Implemented authentication and role-based access control for secure system management.

Laundry Management System & PWA

Python | Django | JavaScript

- Web-based system for customer orders, payments, and service tracking with an admin dashboard for operational monitoring.
- Extended into a mobile-friendly Progressive Web App (PWA) with offline capability via service workers.

E-Commerce Platform

Python | Django

Developed an online shopping platform with product management and order processing features.

Implemented secure authentication and user account management.

Designed responsive interfaces for mobile and desktop devices.

Business Directory Website

PHP | MySQL

Developed a searchable business listing platform.

Implemented category filtering and database-driven search functionality.
Designed backend systems for storing and managing business records.

EDUCATION

Maseno University

Bachelor of Science in Information and Communication Technology Management
2022 – Present(expecting to graduate in November)

Lenana School

Kenya Certificate of Secondary Education (KCSE)
Mean Grade: B

ACHIEVEMENTS

Successfully completed ICT attachment at Konza Technopolis Development Authority.
Developed multiple full-stack web applications using Python, FastAPI, Django, PostgreSQL, and JavaScript.
Gained practical exposure to cloud computing, networking, and enterprise ICT operations.

LANGUAGES

English (Fluent)
Kiswahili (Fluent)