

MOSES MUIRURI NJAU

Nairobi, Kenya | njauamoses83@gmail.com | +254 710 429 497
[LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Backend-focused Software Engineering graduate with hands-on experience designing and developing scalable backend systems using Python, FastAPI, and Django. Strong proficiency in building RESTful APIs, relational database architecture, and secure payment/financial systems. Passionate about system performance, reliability, and clean architecture. Eager to contribute to impactful healthcare technology solutions.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

Bachelor of Science in Computer Science

Expected Graduation: August 2026

- **Relevant Coursework:** Data Structures & Algorithms, Distributed Systems, Database Systems, System Architecture

Njabini Boys High School

2022

Kenya Certificate of Secondary Education (KCSE) — Mean Grade A

TECHNICAL SKILLS

Languages:	Python, SQL, JavaScript/TypeScript, Dart
Backend & APIs:	FastAPI, Django, RESTful APIs, Microservices
Databases:	PostgreSQL, MySQL, MongoDB, Redis
ORM & Architecture:	Django ORM, SQLAlchemy, System Design, Event-driven processing
Cloud & DevOps:	Docker, AWS, Ubuntu/Linux VPS, CI/CD
Security & Testing:	RBAC, Authentication & Authorization, Unit/Integration Testing
Other:	M-Pesa Integration, PyTorch, Git

PROFESSIONAL EXPERIENCE

Full Stack Engineer (Backend-Heavy) | Flashcredit Africa, Nairobi

Dec 2025 – May 2026

- Architected core backend infrastructure for a digital lending platform using FastAPI and PostgreSQL.
- Designed and implemented scalable REST APIs for loan origination, automated interest accrual, repayment scheduling, and financial reporting.
- Developed secure background job systems and implemented Role-Based Access Control (RBAC).
- Focused on system performance, data integrity, and maintainable code architecture.

Mobile & Full Stack Engineer | Migamappers Limited, Nairobi

Dec 2025 – May 2026

- Developed backend services for a property marketplace using Django.
- Integrated M-Pesa payment gateways (STK Push, C2B, B2C) with robust transaction handling.

- Optimized database queries for operational tracking.

Full Stack Engineer | *Ikylocal Digital (Remote)*

Nov 2024 – May 2025

- Designed secure payment infrastructure integrating Stripe and PayPal.
- Optimized MySQL database schemas, reducing query times by ~40%.
- Managed Ubuntu Linux VPS deployments and event-driven automation workflows.

Software Developer | *EL DESIERTO INVESTMENT COMPANY LIMITED, Nairobi*

April 2026 – Present

- Contributed to backend matching architecture and authentication systems using Django.

AI/ML Engineer (Student Researcher) | *Social Robotics Lab, JKUAT*

June 2025 – Present

- Built efficient backend NLP pipelines using PyTorch and REST APIs.

PROJECTS

Smart Nyuki – IoT Beehive Monitoring Platform

Nov 2024 – Present

Founder & Lead Backend Developer

- Designed scalable Django backend with real-time IoT data processing.
- Developed predictive analytics pipeline using PyTorch and REST APIs.
- Received Top 4 National Innovation Recognition from the Kenyan Ministry of ICT.

CERTIFICATIONS & AWARDS

- Top 4 National Innovation Award – Smart Nyuki (Kenyan Ministry of ICT)
- HICOOL Global Entrepreneurship Qualifier
- ALX Software Engineering Programme
- IBM Skills Build Data Fundamentals