

Eric Muturi

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EDUCATION

- **Chuka University** Kenya, KE
Bachelor of Science in Computer Science Sep. 2017 – Dec. 2021
- **Nyahururu Highschool** Kenya, KE
Highschool Diploma Jan. 2013 – Dec. 2016

EXPERIENCE

- **theDifference Developers** Kenya, KE
Software Engineer Jan 2024 - Present
 - **Academic Core Services:** Designed and implemented a scalable, multi-tenant school management platform automating operations across 13 independent schools under one organization.
 - **Cross-Platform API Layer:** Engineered RESTful APIs for a unified digital ecosystem supporting a web dashboard, mobile access, and upcoming parent, supervisor portals—enabling seamless integration and future scalability.
 - **Notifications and Messaging:** Built centralized communication features enabling automated announcements, performance alerts, discipline notices, and fee reminders through email and SMS.
- **Freelance** Remote
Software Engineer Dec 2022 - Jan 2024
 - **Ecommerce Platform:** Built the platform using Django, with clear separation of cart, payment, product and store modules, providing maintainability and scalability for future enhancements.
 - **Interstate Truck Drivers Platform:** Built an application that accepts trip details from drivers (origin, destination, load, timing) and computes optimal route instructions using trip-planner logic, enhancing driver efficiency.
 - **Employee and Operations Management Platform:** System manages personnel, roles, teams, and reporting structures while enabling task assignment, progress tracking, and activity monitoring.
- **MindTech Solutions** Kenya, KE
Intern Software Developer Dec 2021 - Dec 2022
 - **Cloud Deployment and Management:** Deploying and managing scalable applications across AWS environment, ensuring high availability and reliability.
 - **Serverless and Infrastructure Automation:** AWS Lambda and AWS CloudFormation to implement serverless functions and automate infrastructure provisioning.
 - **Managing Databases and Virtualization:** Amazon RDS and OS virtualization to provide secure, optimized, and maintainable computing environments.

PROJECTS

- **SmartCampus Platform:** Multi-tenant academic operations platform managing students, staff, classes, grading, attendance, payments, and analytics.
- **Interstate Truck Drivers Platform:** route and operations management system with trip planning and driver activity logging
- **Employee and Operations Management Platform:** Personnel and operations management with role-based access control, task tracking, and reporting dashboards.

PROGRAMMING SKILLS

- **Languages:** Python, Javascript, C++, **SQL Technologies:** AWS, Django, Docker, REST APIs, PostgreSQL

CERTIFICATIONS

- **Africahackon Cybersecurity:** Certified in secure software development, application security, and implementation of best practices in coding and deployment.
- **Huawei Global Training Center – Computer Systems Networking and Telecommunications (2025):** Gained expertise in LTE protocols, E2E signaling, and cloud/network systems (Cloud CSC3300, OceanStor, iMaster MAE) to enhance backend application performance, scalable infrastructure management, and secure system integration.