ANDREW MUTUA

Full-Stack Developer | Web Applications & DevOps

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PROFESSIONAL SUMMARY

Full-Stack Developer based in Mombasa, with hands-on experience developing web applications using Laravel, React, Next.js, and TypeScript since September 2024. Skilled in REST APIs, relational databases, authentication, and Docker-based deployments. Familiar with Linux server administration, reverse proxies, and Cloudflare, with a focus on building practical software and maintaining reliable application infrastructure.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, Tailwind CSS, Astro
Backend: Laravel, PHP, Node.js, Express.js, Python
Databases: MySQL, MariaDB, PostgreSQL, Supabase
DevOps & Infrastructure: Docker, Docker Compose, Traefik, Linux, Nginx, Cloudflare, GitHub Actions
Core Concepts: REST APIs, Authentication & Authorization, Database Normalization, State Management

FEATURED PROJECTS

School Fee Management System (SCH-FMS) | Laravel, React, MariaDB, Docker
- Developed a platform for managing student fee records, payments, balances, and financial reports.
- Designed relational data models for parent–student relationships and improved data consistency through normalization.
- Containerized the application with Docker and configured Nginx and PHP-FPM for the web stack.
- Implemented authentication using Laravel Sanctum and integrated protected frontend routes and session state.

MutuaCodes Portfolio | Next.js, TypeScript, Supabase, Docker, Traefik
- Built a portfolio and community website with an interactive terminal-style interface and Supabase-backed features.
- Deployed a containerized Next.js application behind a shared Traefik reverse proxy.
- Configured Cloudflare for DNS and proxying, with SSL/TLS for the public site.

Rental Management System | Express.js, MySQL, Tailwind CSS
- Developed features for property listings, tenant records, rent tracking, and maintenance requests.
- Built backend endpoints and database queries to support rental and payment workflows.

Stoms Studios Website | Astro, React, TypeScript, Tailwind CSS, Vercel
- Designed and deployed a responsive website showcasing photography, videography, recording, drone, and livestream services.
- Added clear enquiry pathways to help prospective clients contact the studio.

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Developer | Mombasa, Kenya | Sep 2024 – Present
- Develop custom web applications and websites for business and community use cases.
- Containerize PHP and web applications with Docker to keep development and deployment environments consistent.
- Configure VPS environments, Linux services, and Traefik routing to host multiple applications on a server.

EDUCATION

Technical University of Mombasa | Mombasa, Kenya
Bachelor of Science in Information Technology (BSc. IT)
Relevant coursework: Database Management, Web Development, Networking, Systems Administration.

SELECTED ACHIEVEMENT

Configured a VPS hosting 15+ containerized applications through a shared Traefik reverse proxy, using Docker networking and routing to avoid individual applications needing public ports.