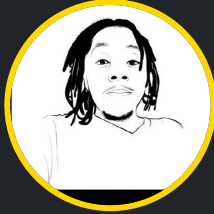


George N Mwaura



Contact Information

Email: georgenjoroge977@gmail.com

GitHub: <https://github.com/giennjoro>

X (Twitter): https://x.com/njoroge_georgez

About Me

I'm a seasoned Full-Stack Web Engineer with over 7 years of professional experience specializing in Laravel (PHP), JavaScript, and modern DevOps practices. I architect, develop, and deploy scalable web applications with a strong focus on performance, security, and maintainability. My core expertise lies in backend engineering, RESTful API development, database design, and full lifecycle DevOps workflows — from CI/CD pipelines to cloud infrastructure management.

Over the years, I've built and maintained a wide range of platforms, including multi-tenant SaaS systems, custom CMS solutions, API-first applications, eCommerce platforms, travel portals, education tools, and SMS gateways. I'm deeply familiar with Laravel's ecosystem — Eloquent ORM, Queues, Events, Sanctum, and Livewire

On the infrastructure side, I work hands-on with Linux servers, NGINX/Apache, Docker, and tools like Supervisor, Cron, and systemd to ensure reliable background job execution and service uptime. I routinely configure secure deployments via Git, set up CI/CD pipelines (using GitHub Actions, Bitbucket Pipelines, etc.), and optimize for speed, SEO, and scalability using caching, indexing, and asset pipelines.

Security, performance, and clean code are non-negotiable in my work. I write modular, testable code (TDD/BDD where applicable), follow SOLID principles, and document my systems well for both technical and non-technical stakeholders. Above all, I bring a product-minded approach to software development — I don't just build features, I solve real-world problems using code.

Projects

Writers Admin

Writers Admin is a custom-built SaaS platform designed to streamline the relationship between employers and freelance writers. It offers a secure, real-time workspace for managing tasks, submitting work, running plagiarism checks, facilitating communication, and handling payments—all within a structured, role-based dashboard. The platform offers a task-based collaboration system where employers can post writing orders and assign them to vetted writers. WritersAdmin handles the full order lifecycle—from assignment and chat to submission, plagiarism checks, and payment.

Technologies: Laravel, Javascript, Livewire, REST,

Link: <https://www.writersadmin.com/>

PAMS Kenya

PAMS (Plusfarm Agribusiness Management System) is a digital farm management platform designed to help farmers manage daily operations, expenses, and crop cycles with just a few clicks. Built to serve Kenya's growing agritech sector, PAMS enables both smallholder and commercial farmers to track activities, analyze costs, get seasonal insights, and access expert support in real-time. This is a tool by Plusfarm Kenya. Backend: Built with PHP (Laravel), implementing CRUD operations for farms, crops, logs, and users. Frontend: Custom HTML/CSS/JS UI; designed to be responsive and lightweight for mobile data efficiency. Database: MySQL schema capturing users, farms, crop types, seasonal logs, costs, and content resources. Notifications: Email/SMS alerts for tasks, tips, or agronomist replies. Security: Account-based access, secure login system, and encrypted data storage. Deployment: Hosted on a secure VPS environment with daily backups and SSL encryption.

Technologies: Laravel, Livewire, MySQL, Javascript, Firebase

Link: <https://pamskenya.com/>

JuakaliSmart Mobile API

JuakaliSmart is a digital business management system built to streamline operations for artisans and workshop-based businesses in the informal sector—commonly referred to as the “Jua Kali” sector in Kenya. The platform empowers carpenters, welders, tailors, upholsterers, and other skilled workers to run their businesses more professionally through structured recordkeeping, task management, procurement tracking, and sales processing. The system allows artisans to log customer orders, track jobs in progress, generate invoices and receipts, and monitor payments—including partial or installment-based transactions. With many workshop clients unable to pay upfront, JuakaliSmart's in-built “Lipa Mdogo Mdogo” (pay in small portions) functionality is key to improving cash flow while

maintaining accountability. Payments can be tracked digitally through a wallet system that supports M-Pesa integration or recorded manually to reflect cash transactions. A major innovation is its Resource Center, which connects users to verified hardware suppliers, helping artisans discover hard-to-find tools, materials, and discounted items. The platform also features a marketplace where users can post and sell used workshop equipment, promoting circular use of resources. JuakaliSmart's HR and labor module enables workshop owners to assign tasks to fundis (craftsmen), monitor progress, and compute payments based on work completed. This makes it easier to manage casual or project-based labor and avoid under- or over-payment issues. The system also includes a digital product album, allowing users to upload and showcase images of finished work. This helps attract new customers through online visibility and provides a professional portfolio that can be shared digitally. The platform is mobile-friendly and includes an Android app that offers all core features, ensuring artisans without laptops or internet cafes can still access the system from their smartphones. Future enhancements include point-of-sale (POS) integration and card payments through Android-based devices, further bridging the digital divide for these users. From a technical standpoint, JuakaliSmart was developed as a full-stack web and mobile system using PHP (Laravel or Slim assumed), MySQL for the database, and JavaScript for interactivity. It leverages RESTful APIs to power the mobile app, supports SMS notifications, and incorporates secure authentication to protect sensitive business data. Overall, JuakaliSmart is a practical and impactful solution that brings structure, professionalism, and growth opportunities to an often-overlooked segment of the economy. By digitizing informal businesses, it helps artisans build credit history, improve customer service, manage finances, and grow sustainably.

Technologies: Laravel, Lumen, Firebase

Link: <https://juakalismart.com/>

Schemes Of Work

SchemesOfWork.com is a web-based tool designed to streamline the creation of educational schemes of work, making it effortless for teachers to generate structured lesson plans. The platform supports a wide range of subjects—including English, Mathematics, Agriculture, Science & Technology, Computer Science, Arts, and Physical Education—across both primary (CBC) and secondary (8-4-4) curricula. Teachers can quickly select grade levels, lesson frequency, term dates, and subject-specific topics to build fully customized schedules, which can then be previewed, edited inline, and downloaded as PDF documents. At its core, the platform features a step-by-step form interface that guides educators through creating their schemes of work in under five minutes. Users can register or log in via email or Google/Facebook authentication, then access a personalized dashboard where they manage all created plans. The system allows previewing before purchasing (with options priced affordably per term) and supports unlimited downloads of previously created plans. schemesofwork.com Additional customization options include adding teacher details, enabling approval signatures for Heads of Department and principals, and adjusting lesson times or term interruptions. Once a scheme is finalized, it can be exported as a polished PDF suitable for institutional record-keeping and classroom use. schemesofwork.com

Technologies: Laravel, Javascript, MySQL, Firebase, Flutter

Link: <https://schemesofwork.com/>

Maanet Gardens

MaanetGardens.com is a fully responsive website developed for a boutique hospitality business based in Kutus, Kenya. The site serves as both a brand showcase and booking funnel for accommodations, events, and venue-based services. The main goal was to build a lightweight, mobile-optimized platform that delivers high aesthetic appeal, fast loading speeds, and flexible backend content management.

Technologies: Laravel, MySQL, Javascript

Link: <https://www.maanetgardens.com/>

Mijay Cab Mobile API

The Miojay Cab API is a RESTful backend service developed to power the mobile and web experiences of a ride-hailing and fleet management platform in Kenya. Built with scalability and mobile-first integration in mind, the API provides endpoints for booking rides, managing drivers, tracking trips, and processing payments. It supports both direct consumer use and enterprise transport coordination, making it suitable for individual riders as well as organizations with fleet contracts. The backend is developed in PHP (Laravel) and leverages MySQL for persistent data storage. The system follows REST conventions, exposing secure, versioned endpoints (e.g., `/api/v1/rides`, `/api/v1/drivers`, etc.) and returns data in JSON format. Authentication is handled through JWT (JSON Web Tokens) or Laravel Passport, ensuring that both customers and drivers can interact with the platform via mobile apps without compromising security. The API includes role-based access control (RBAC), separating drivers, customers, and administrators. Drivers have access to endpoints for managing their profiles, starting and ending trips, and viewing earnings summaries. Customers can register, book rides, track ongoing trips, and rate drivers. Admin users can manage the entire system, including adding or verifying new vehicles, approving driver applications, monitoring active bookings, and handling customer support tickets. Geolocation and routing are integrated via the Google Maps API or OpenStreetMap, allowing the system to provide accurate pickup and drop-off point validation, fare estimation based on real distance, and real-time driver tracking. All coordinates are stored as latitude/longitude pairs in the database and indexed for efficient queries. The API also implements trip status tracking, with states such as pending, accepted, en route, arrived, completed, and cancelled. This enables the mobile frontend to render real-time status updates and progress indicators, improving the rider experience. For payments, the API supports M-Pesa STK Push for live collections and logs transaction confirmations via webhook callbacks for reliability.

Technologies: Laravel, MySQL, Firebase,

Link: <https://mijay-cab.com/>

TFS Media

24SevenSMS is a robust bulk SMS gateway platform designed to serve businesses, schools, SACCOs, and developers in need of scalable, real-time communication via SMS. Built to deliver thousands of messages per minute, the system supports both transactional and promotional messaging workflows. It features a clean web interface, SMS APIs for third-party integrations, DLR (Delivery Report) tracking, and dynamic sender ID management, making it a flexible solution for both human operators and automated systems. At the core of the system is a Laravel PHP backend, which handles user registration, message queuing, API authentication, billing, and message routing. The backend interacts with external SMS aggregators via HTTP(S) or SMPP depending on the route configuration. Laravel's job queues (powered by Redis or database drivers) are used to queue and throttle outgoing SMS to comply with carrier rate limits while ensuring retry mechanisms on failed deliveries. Users can send messages directly from the web dashboard or programmatically through a secure RESTful API. The API supports multiple endpoints, including /api/send, /api/balance, and /api/dlr, and is protected using Bearer tokens or API keys with optional IP whitelisting. JSON payloads are accepted with validation for message length, encoding (GSM 03.38 or Unicode), and recipient formatting (MSISDN).

Technologies: Laravel, MySQL, Javascript, Sveltekit

Link: <https://24sevensms.com/>

Migration East Africa

MigrationEastAfrica.africa is a modern, content-rich travel and tourism website built to promote curated travel experiences across East Africa. The platform is designed to help travelers explore destinations, plan itineraries, and connect with verified local tour operators. As the developer, I implemented a clean, mobile-responsive web architecture focused on performance, SEO, and dynamic content management. The website is built on a PHP-based backend using Laravel, integrated with a MySQL database to manage structured content such as destinations, tour packages, articles, travel tips, and customer inquiries. A custom-built admin panel allows non-technical users to easily update content, upload high-resolution images, and publish blog posts or featured packages in real-time. On the frontend, the platform uses HTML5, TailwindCSS, and Alpine.js for responsive layout and interactive UI elements. The design emphasizes ease of navigation, with categorized destinations, filtering by travel interests (e.g., wildlife, beach, cultural, adventure), and embedded media like video showcases and gallery sliders. SEO optimization was a core consideration — meta tags, structured data (JSON-LD), canonical URLs, and sitemap automation were implemented to ensure high visibility on search engines. Dynamic routing is used to generate human-readable URLs for packages and blog posts, improving both UX and crawlability.

Technologies: Laravel, Javascript, Mysql, SEO

Link: <https://www.migrationeastafrica.africa/>

Agribitz

Welcome to Agribitz! Agribitz is your all-in-one solution for modern farm management. Our dashboard is designed to be intuitive and easy to use, helping you keep track of all your farm's activities in one place. ## Key Features * **Farm & Greenhouse Management:** Easily manage your farms, phases, and greenhouses. Get a clear overview of your entire operation. * **Crop & Variety Tracking:** Keep a detailed record of all the crops and varieties you are growing. * **Scouting Records:** Monitor your crops for pests and diseases with our simple scouting forms. * **Planting & Harvest Logs:** Track your planting schedules and record your harvest yields with ease. * **Chemical & Resource Consumption:** Keep a log of all chemical applications, as well as water, pesticide, and fertiliser consumption. * **User Management:** Manage who has access to your farm data with our simple role-based access control. ## Getting Started 1. **Log In:** Access the dashboard by logging in with your credentials. If you are a new user, you will need to register and verify your email address. 2. **Select Your Farm:** If you have access to multiple farms, you will be prompted to select the one you want to manage. 3. **Explore the Dashboard:** The dashboard gives you a quick overview of your farm's recent activities. Use the navigation menu on the left to access different features. ## Support If you have any questions or need help, please contact our support team at support@agribitz.com.

Technologies: Laravel, Livewire, MySQL, Alpine.js

Link: <https://shalimar.agribitz.africa/>

Support Hub KE

Vue 3 dashboard SPA plus the embeddable SupportHub widget bundle.

Technologies: VUE, Laravel, Reverb, OpenAI

Link: <https://supporthub.co.ke/>

Skills

Backend

PHP

Laravel

REST

Graph QL

Frontend

Javascript

Svelte Js

Jquery

Devops

Linux

Apache

Docker

Version Control

Git

AI Tools

Gemini CLI

Replit Ghostwriter

Testing

PHP Unit

Jenkins

Selenium

Engineering

Prompt engineering

© 2026 George N Mwaura. All rights reserved.