

Ibrahim Wabwire Hamisi

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| Kenya

FULL-STACK SOFTWARE ENGINEER

SUMMARY

Results-oriented Full-Stack Software Engineer with 5+ years of experience designing scalable web applications and desktop solutions. Proficient in PHP, Laravel, Java, C#.Net, and Modern JavaScript frameworks. Proven track record of delivering compliant tax systems (eTIMS) and high-traffic media streaming platforms. Adept at UI/UX redesign, API integration, and database optimization. Committed to writing clean, maintainable code and collaborating effectively within diverse agile teams.

TECHNICAL SKILLS

Core Engineering

- RESTful API Design, System Architecture
- Scalable Web Applications
- Authentication & Payment Systems
- Performance Optimization

Frontend

- HTML5, CSS3, JavaScript (ES6+)
- Bootstrap, Tailwind CSS, jQuery

Backend

- PHP (Laravel Framework)
- C# (.NET WinUI 3)
- Java
- NodeJS

Databases

- MySQL, PostgreSQL, MongoDB, MariaDB
- Query Optimization & Data Modeling

Cloud & DevOps

- Basic experience with **cloud concepts (AWS/GCP fundamentals)**
- Linux server environments & deployment workflows
- Nginx, Apache configuration
- GitHub / GitLab CI basics
- Containerization (Docker – foundational knowledge)

AI & Emerging Tech

- Understanding of **AI-powered applications (APIs like OpenAI, recommendation systems)**
- Interest in integrating AI into business systems (chatbots, analytics, automation)

Tools

- Git, GitHub, GitLab
- PHPUnit Testing
- Postman / API Testing

PROJECTS

Project: eTIMS Desktop Application(Kenya Revenue Authority)

Description:

The eTIMS Desktop Application is a tax compliance system developed in alignment with the Kenya Revenue Authority's Electronic Tax Invoice Management System (eTIMS) framework. The application enables businesses to generate, manage, and transmit compliant tax invoices, sales transactions, and purchase records directly to KRA systems.

Role & Responsibilities:

- Led the complete UI redesign to improve usability, workflow efficiency, and compliance clarity for end users.
- Designed and implemented the Sales module (Point of Sale page), ensuring seamless transaction processing, invoice generation, and tax computation aligned with KRA requirements.
- Developed the Purchases module to handle supplier invoices, input tax calculations, and structured transaction recording.
- Improved user interaction flows to reduce transaction errors and enhance operational speed in high-volume retail environments.
- Collaborated with backend developers to ensure accurate data binding, validation logic, and compliance with eTIMS API integration standards.
- Enhanced overall application consistency by implementing modern UI patterns and structured layout components for better maintainability.

Project: LoHo TV (LoHo Learning)

Description:

LoHo TV is a streaming media content module within the LoHo Learning platform, designed to enhance e-learning through video-based education.

Role & Responsibilities:

- Developed a **CMS** to manage video media content, ensuring seamless content organization and accessibility.
- Implemented **user management** features for role-based access control and personalized learning experiences.
- Built **analytics and reporting tools** to track student engagement and content usage.
- Optimized video streaming performance for smooth playback across various devices.

This project demonstrates expertise in **media streaming**, **CMS development**, **user management**, and **data analytics**, showcasing strong Laravel skills in e-learning solutions.

Project: K24 Plus - <https://play.google.com/store/apps/details?id=com.k24plus.app>

Description:

K24 Plus is a premium media content platform that allows users to access a wide range of entertainment, including

movies, TV shows, live television, sports, and more, through a subscription-based model.

Role & Responsibilities:

- Developed the **backend CMS** and **API** for the mobile application using **Laravel**.
- Designed and implemented secure and scalable authentication and payment processing systems.
- Optimized content delivery and user experience through efficient API design.
- Integrated media streaming services for seamless playback of video content.

This project showcases expertise in backend development, API design, and media content delivery systems, demonstrating strong skills in Laravel and scalable system architecture.

EXPERIENCE

Shinrai Technologies | Full-Stack Software Developer

May 2026 - | Nairobi, Kenya

- Re-architected the Jubilee Insurance Enterprise Service Bus (ESB) and API Manager, from monolithic design to microservices. Making the System more maintainable, scalable, and more secure.

Kenya Revenue Authority | Intern Software Developer

February 2025 - Feb 2026| Nairobi, Kenya

- Developed eTIMS Desktop Application, which is used by businesses as a POS System to manage their Invoices and Inventory.

December 2023 - December 2024| Nairobi, Kenya

- Developed DigiTree, a web application supporting the 15 Billion Tree Planting Initiative, enabling users to set and track tree planting goals, receive reminders, and monitor their activities.

AAA Platforms LTD | Software Developer

November 2021 - Current - Nairobi, Kenya

- Upgraded the K24Plus CMS application from Vanilla PHP to the Laravel framework, enhancing performance, security, and scalability. This was used by the K24 Team to upload and manage their media content.
- Continuously adding and updating features to the K24Plus CMS.
- Developing and maintaining the RESTful APIs where users can be authenticated, and pay for media such as Movies, TV Series, Live TV, and other media content for streaming. This enabled seamless integration with the K24Plus Mobile Application. <https://k24plus.com/>
- Developed a CMS to manage video media content, ensuring seamless content organization and accessibility for LoHo Learning System.

- Built analytics and reporting tools to track student engagement and content usage for the LoHo Tv.

Oriol Technologies LTD | Software Developer

November 2021 - December 2023 - Nairobi, Kenya

- Designing and developing customized client websites, ensuring optimal functionality, user experience, and visual appeal.
- Leading the development and management of the mybiz.africa Business Management System and ERP, including a comprehensive suite of tools such as POS and CRM systems.
- Integrated **M-Pesa Daraja API** for seamless mobile money payment processing, enabling real-time transaction handling, payment confirmation callbacks, and reconciliation within the ERP.
- Implemented **SMS notification and communication workflows** using AdvantaSMS, automating customer alerts, order updates, and business notifications across the platform.
- Designed and built a **multi-module Inventory Management System** with stock tracking, low-stock alerts, supplier management, purchase orders, and real-time inventory valuation.
- Developed a **Point of Sale (POS) system** with support for receipting, sales reporting, shift management, and integration with the inventory and payment modules.
- Built a **Customer Relationship Management (CRM)** module for tracking leads, customer interactions, sales pipelines, and follow-up workflows.
- Engineered a **multitenant architecture** ensuring data isolation, tenant-specific configurations, and role-based access control (RBAC) across all business modules.
- Designed and developed **customized client-facing websites** with a focus on optimal functionality, user experience, and visual consistency with client branding.
- Maintained and optimized **database schemas and query performance** to support concurrent multitenant workloads with reliability and speed.

EDUCATION

Chuka University | Bachelor of Science in Applied Computer Science 31 Dec. 2021

- Second class upper division

REFERENCES

Tomno Sylas, Director of Planning ICT Authority

Nairobi, Kenya.

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Emily Murerwa- Lecturer, Chuka University

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Benson Githinji- Software Engineer Lead, KENYA REVENUE AUTHORITY

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