

Wanjala Stephen

Software Developer

stephenwanjala145@gmail.com | [LinkedIn](#) | [GitHub](#)

Career Snapshot

A dedicated Software Developer with a genuine passion for building impactful solutions using cutting-edge technologies. I thrive on diving into challenges across mobile, web, and backend development, constantly learning and eager to contribute my skills to innovative teams.

- **Mobile First:** Strong command of Jetpack Compose for crafting modern Android applications.
 - **Robust Backends:** Experienced in bringing backend systems to life with Kotlin Ktor, Fastify, Python Django, and Spring Boot.
 - **Engaging Web Experiences:** Proficient in Vue.js and Next.js, building intuitive and dynamic web interfaces.
 - **Curious & Creative:** Driven by curiosity, I love tackling technical puzzles and finding elegant solutions.
 - **Team Player:** Always looking for opportunities to collaborate on ambitious tech projects.
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Professional Journey

Software Developer | PrimeSoft Solutions Limited | September 2024 - Present (1 year)

- Developing and maintaining key software applications, spanning mobile and desktop platforms, within the comprehensive MaliPlus ERP system.
- Taking ownership of the design and implementation of new features, modules, and critical enhancements for MaliPlus ERP.
- Collaborating closely with the Support Team to diagnose and resolve complex software issues, ensuring smooth and reliable system operation for end-users.

Software Developer Intern | PrimeSoft Solutions Limited | May 2024 - August 2024 (3 months)

- Contributed to the development and ongoing maintenance of desktop software applications integral to the MaliPlus ERP.
- Actively participated with cross-functional teams to analyze requirements, design solutions, and implement new features and system enhancements for MaliPlus ERP.
- Wrote clean, efficient, and easily maintainable code, consistently adhering to established best practices and coding standards.

- Successfully debugged and troubleshooted various software issues, contributing to application stability.
- Provided essential technical support to clients, addressing their questions, troubleshooting problems, and guiding them on effective software usage.
- Assisted in shaping software architecture, design patterns, and coding standards to promote consistency and scalability across projects.
- Engaged in team meetings, stand-ups, and sprint planning sessions, contributing to effective task coordination and prioritization.

Information Technology Attachment | Kibabii University | May 2023 - August 2023 (2 months)

- Configured managed switches, implemented VLANs, and enhanced network security using SSH and Telnet protocols.
 - Performed comprehensive computer maintenance, including hardware upgrades, memory enhancements, and operating system/software installations.
 - Managed the installation and configuration of ABNO ERP software, ensuring smooth operation and timely updates.
 - Developed and executed scripts for database automation, normalization, and de-normalization, significantly streamlining data management.
 - Handled the management and configuration of IP cameras, editing captured videos for presentations and safeguarding video evidence.
 - Provided direct technical support to students and staff, resolving software-related issues and offering effective application guidance.
 - Collaborated on IT infrastructure improvements, including migrating to managed switches and optimizing network access points.
 - Supported staff training initiatives, empowering them to effectively use and troubleshoot the ERP software.
 - Developed tailored software solutions for clients, directly contributing to the department's service capabilities.
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Education

BSc. Information Technology | Maseno University | 2020 - 2024

KCSE | St Peter's Sang'alo High School | 2015 - 2019 | Grade B+

Technical Toolkit

- **Languages:** Kotlin, Java, Python, JavaScript, TypeScript
- **Mobile Development:** Jetpack Compose, Android SDK And Kotlin Multiplatform
- **Backend Ecosystems:** Kotlin Ktor, Spring Boot, Fastify, Django (Django Rest Framework)
- **Web Technologies:** Vue.js, Next.js, Pinia, Leaflet.js, Vuetify3
- **Databases:** PostgreSQL, IBM db2

- **Development Practices:** Git, Docker, RESTful APIs, Object-Oriented Programming (OOP), Agile Methodologies
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Selected Projects

Multiply | Android Kotlin Jetpack Compose

- An intuitive Android app designed to make learning multiplication fun and interactive for children, enhancing their mathematical skills.
- [View on GitHub](#)

DB2JHelper | Java Library

- Developed a lightweight, modern Java library that simplifies common database operations with JDBC, making data interactions effortless for developers.
- [View on GitHub](#)

geoSpatial_village | Vue 3, Pinia, Leaflet.js, TypeScript, Vuetify3

- My contribution to the Digital solution for the Health IT Hackathon 2024, focusing on powerful geospatial data visualization.
- [View on GitHub](#)

BRecipes | Android, Kotlin, Jetpack Compose, Room, Ktor, Paging & Caching, Fastify, Prisma, Postgres, Next.js

- A full-stack application showcasing BBC Holiday Dishes, demonstrating comprehensive development skills from mobile UI to robust backend services.
 - [View on GitHub](#)
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