

# KIHORO DENIS MWANGI

Nairobi, Kenya | (254) 721941386 | [mwangidennis992@gmail.com](mailto:mwangidennis992@gmail.com) |  
<https://www.linkedin.com/in/denis-kmwangi>

---

## CAREER SUMMARY

A Software Engineer with over 6 years of professional experience in full-stack development and leading product cycles from conception to completion. Adept at collaborating with diverse teams to develop creative technical solutions for complex software engineering issues.

---

## PROFESSIONAL EXPERIENCE

### Zed Payments, Backend Developer

August 2023 – Current

- Developing automated tests to ensure business needs are met.
- Creating and maintaining workflows with teams to provide visibility and to ensure workload balance for consistent visual designs.
- Optimizing web applications for performance and scalability.
- Designing robust APIs to support mobile and desktop clients.
- Scaling the back-end architecture and codebase.
- Building reusable code and libraries for future use.

### CodeAfrika, Software Engineer

June 2022 – Jan 2023

- Collaborating with other engineers in API design and development.
- Coordinating with a dynamic software engineering team to develop scalable software solutions
- Collaborating with engineers and interns in an inclusive team-based environment, and identify opportunities for continuous integration and process improvement.
- Creating scalable code for customer business solutions, identifying bugs and product defects, and coordinating with team members to resolve critical technical issues
- Scaling the back-end architecture and codebase.
- Providing peer code review, analyzing and assessing code with an insistence on quality and reliability.

## **Keypad Systems, Software Engineer**

Nov 2021 – May 2022

- Performing detailed analysis of business requirements and developing comprehensive plans defining and scoping project requirements.
- Building and testing ERP and management systems.
- Structuring and developing Rest APIs.
- Upgrading software modules on clients' demand.
- Maintaining and testing functional compliance of company software products

## **Qilimo Solutions, Software Engineer**

Nov 2018 – Jan 2021

- Preparing technical documentation for various internal projects.
- Redesigning and building a user-friendly company website.
- Documenting and writing technical manuals of the systems.

---

## **EDUCATION**

### **Bachelor of Science (B.S.) Computer Science**

Meru University Of Science And Technology, September 2018 – Nov 2022

---

## **KEY SKILLS**

- Web design/development with Html, CSS, Javascript, Php, Laravel, CodeIgniter, Springboot, NodeJS, ReactJs, Gin, and Fiber.
  - Software development with Java, Golang, Typescript, and Python.
  - Database design and management with Postgres, MongoDB & MySql.
  - API design and development.
  - Sms APIs Intergration.
  - Payment Integrations
  - Software testing and automation with Jenkins and CI/CD tools
  - Cloud deployment and server management (AWS, VPs, and Digital Ocean).
  - Version control git & Github.
  - Scrum
  - Software development life cycle
-

## CERTIFICATIONS

- AWS cloud practitioner - 2021
- Software automation testing - 2021
- DevOps infrastructure automation – 2022

---

## ACHIEVEMENTS

### **Zed Payments**

- Implemented database indexing and query optimization techniques, resulting in a 30% reduction in overall API response time.
- Integrated OAuth2 authentication protocol, enhancing the application's security and ensuring compliance with industry standards.
- Migrated on-premise servers to a cloud-based infrastructure for improved scalability and reliability.

### **CodeAfrika**

- Led the integration of third-party APIs to enhance functionality and features within the application.
- Improved the overall user experience by incorporating real-time data from external sources, boosting user engagement and satisfaction.
- Introduced CI/CD pipelines to automate the build, test, and deployment processes.
- Worked closely with front-end developers and DevOps engineers to design and implement scalable microservices.





