

# Amos Kiprotich Langat

Software Developer | Web Application Specialist

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## 👤 PROFILE

Software engineering professional with demonstrated expertise in web application development, server infrastructure management, and network administration. Skilled in creating data-driven solutions and implementing secure, scalable systems. Passionate about leveraging technology to support impactful projects, including those in public health, epidemiological modeling, and data-driven research.

## 🧩 RELEVANT TECHNICAL SKILLS

### Web Development

HTML/CSS, JavaScript, PHP, Full-stack application development

### System Integration

API implementation, Third-party service integration

### Programming

R, JavaScript, PHP

### Server Administration

VPS configuration, Linux environments, Security protocols

### Network Management

Infrastructure optimization, Performance monitoring

### Operating Systems

Windows, Ubuntu, Kali Linux

## 📁 PROFESSIONAL EXPERIENCE

2023 – present

### Web Application Developer & System Administrator

#### Key Projects:

- **ISP Billing System** (Benfex 🌐): Developed and deployed a comprehensive billing solution with client portal functionality (Portal)
- **Custom Payment Gateway** (Kipay 🌐): Created an API-driven payment integration platform utilizing Paystack and M-PESA
- **VPS Infrastructure**: Manage and maintain server infrastructure including security implementations, backup solutions, and performance optimization

09/2023 – 11/2023  
Nairobi, Kenya

### Nairobi City Water and Sewerage Company LTD

#### Network Administrator & IT Support

- Designed and implemented network infrastructure upgrade, achieving 50% increase in network speed and 20% reduction in downtime
- Managed technical issues with 95% first-call resolution rate, improving customer satisfaction
- Contributed to creation and maintenance of IT systems roadmaps and release plans
- Provided end-user support and maintained IT equipment and systems
- Collaborated with external vendors for system maintenance and support

07/2023 – 09/2023  
Mombasa, Kenya


### Freelance Web Development

- Developed a fully functional Hotel Resort Management System using JavaScript and PHP.
- Implemented key features including room reservations, payment processing, and real-time availability tracking for clients.
- Integrated a user-friendly dashboard for staff to manage bookings, enhancing the resort's operational efficiency.

## EDUCATION

2024 – present

### **FOUNDATIONAL C# WITH MICROSOFT**

Microsoft, Online 

Currently pursuing comprehensive C# programming certification through Microsoft's Foundational C# course. The program encompasses core language concepts, object-oriented programming principles, and practical software development fundamentals.

2023 – 2024

### **IBM DATA ANALYTICS WITH EXCEL & R**

IBM, Online

This online course provided me with a comprehensive overview of Data Analytics. Through interactive lectures, hands-on assignments, and peer-reviewed projects, I gained high valued skills like Cognos Analytics and R programming language.

2020 – 2024




Mombasa, Kenya

### **BACHELOR OF BUSINESS & INFORMATION TECHNOLOGY**

Technical University of Mombasa

This comprehensive four-year program provided me with a strong foundation in both business principles and information technology concepts

## CERTIFICATES

- R Programming for Data Science Essentials 
- Data Visualization and Dashboards with Excel and Cognos 
- Excel Basics for Data Analysis 

## LANGUAGES

English



Swahili



## INTERESTS

- Cloud Computing
- Networking and Network Security Activities
- Open Source
- Machine Learning
- Artificial Intelligence

## AWARDS

06/11/2023

### **R Programming for Data Science Essentials**

Coursera

15/10/2023

### **Data Visualization & Dashboard Essentials**

Coursera