

# Joshua Mwangi Njeri *Software Developer*

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[github.com/Mwantech](https://github.com/Mwantech)



## Profile

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- Software Developer with 3+ years of experience building secure, scalable web applications and AI-powered solutions in fintech, e-commerce, and healthtech.
- Skilled in Python, JavaScript (React, Node.js), and AI/ML frameworks, with expertise in automation, data security, and performance optimization.
- Dedicated to delivering high-impact, efficient software solutions.

## Professional Experience

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### Hackathons & Competitions

- **NRF Hackathon 2024** – Collaborated with a team over one month to develop a health system using React.js & Node.js, guided by industry professionals. Gained hands-on experience in full-stack development, teamwork, and agile methodologies.
- **PLP Smart City Hackathon (Zetech University)** – Participated in developing smart city solutions, applying innovative tech for urban challenges while working in a dynamic, problem-solving environment.
- **CTF (Capture the Flag) Competition** – Engaged in cybersecurity challenges, enhancing skills in encryption, secure authentication, and system vulnerabilities.

## Education

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**Bachelor of Science in Information Technology technology**  
*Mount Kenya University*

08/2022 – present

## Skills

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### Programming Languages

JavaScript, Java, Python, PHP, HTML, CSS

### Database Technologies

MySQL, PostgreSQL, MongoDB

### Version control

Git (CLI, GitHub, GitLab, Bitbucket), SourceTree, VS

Code Git Integration

### Frameworks and Libraries

React.js, React Native, Node.js, Express Js, Expo, Redux

### Tools and Technologies

Google Maps API, TensorFlow.js, Biometric Authentication, AES-256, RSA Encryption, GitHub Actions (Deployment using Netlify, Vercel, Firebase), RESTful APIs, WebSockets

### Soft Skills

Problem-solving, Communication, Collaboration, Adaptability, Attention to Detail

## Projects

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<b>AI Pest Detection System</b>	12/2024 – present
<ul style="list-style-type: none"><li>• Developed an AI-powered pest detection system using React Native (Expo), Tensor Flow, and OpenCV.</li><li>• Enabled real-time pest identification, tracking 20+ unique pests with 80% accuracy. Integrated MySQL for structured data storage and retrieval.</li></ul>	
<b>Telemedicine Platform</b>	07/2024 – 09/2024
<ul style="list-style-type: none"><li>• Built a telemedicine application enabling virtual consultations, appointment scheduling, and secure payment processing.</li><li>• Integrated video call features and a symptom checker, supporting 100+ consultations. Implemented data encryption for HIPAA-compliant security.</li></ul>	
<b>Event Media Sharing Web Application</b>	08/2024 – 08/2024
<ul style="list-style-type: none"><li>• Engineered a scalable event platform using MySQL, handling 500+ media uploads with near-zero latency.</li><li>• Designed a responsive media gallery for high-quality image and video uploads. Enabled organizers to create 50+ events and share unique event links.</li></ul>	

## Certificates

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**Cyber security fundamentals**  
IBM skillsbuild up 2024