

# NATHAN B. KAMAU

## SOFTWARE ENGINEER & DESIGNER



As a proficient full-stack developer, I specialize in transforming concepts into innovative web applications with a security-first mindset. My expertise spans React.js, building secure and compliant infrastructure on AWS and Google Cloud, and a range of creative tools, including Final Cut Pro, Canva, Illustrator, InDesign, and Photoshop. Explore my latest projects and articles showcasing my skills in defensive coding, application security, cloud computing, and design.

### CONTACT

- (+254) 704 596 380
- [dev@nathanburugu.online](mailto:dev@nathanburugu.online)
- [www.nathanburugu.online](http://www.nathanburugu.online)
- Nairobi, Kenya

### EDUCATION

**2026 - ONGOING**

**MSC in Artificial Intelligence**

*OPEN University of Kenya / Konza, Kenya*

I am currently pursuing a Master's degree in Artificial Intelligence at Open University of Kenya, where I am developing strong analytical and problem-solving skills in data-driven systems.

**2020 - 2024**

**BSC Software Development**

*KCA University / Ruaraka, Nairobi*

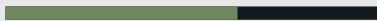
I hold a degree from Kenya College of Accountancy University (KCAU), where I gained strong foundational knowledge and practical skills that continue to shape my career.

### SKILLS

Teamwork



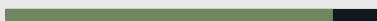
Manager



Leadership



Communicate



Active Listening



Presentation



Negotiation



### JOB & EXPERIENCE

2023  
2026

**Software Developer & Designer**

*EAST AFRICAN EDUCATIONAL PUBLISHERS / NAIROBI County, Embakasi.*

I specialize in turning ideas into reality through code and design. As a full-stack developer, I have contributed to innovative projects, enhancing both the technical and visual aspects of digital solutions.

- Architected and led development of a new EdTech LMS for Ujuzi Digital Publishers.
- Developed a company-wide project management portal to improve workflow efficiency.
- Coordinated quarterly security reviews that aligned infrastructure posture with ISO 27001 controls

2022  
2023

**Software Developer**

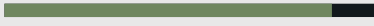
*Caheny Ventures / Kiambu County, Kikuyu.*

I developed and maintained high-performance applications using React.js, Next.js, and Node.js, ensuring seamless user experiences and optimized backend functionality.

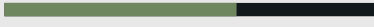
- Developing full-stack applications with a focus on performance and security.
- Building RESTful APIs and integrating third-party services to enhance functionality.
- Implementing advanced state management using Redux, Zustand, and React Query.

## EXPERTISE

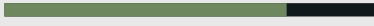
### Typescript and Javascript



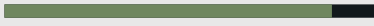
### Adobe Indesign, Illustrator & Photoshop



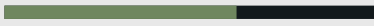
### Node JS



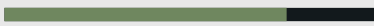
### AWS & Google Cloud



### Mongo DB



### Final Cut Pro & Canva



## CERTIFICATES

2017 - 2018

### Institute of Graphic Technologies

Certificate in Graphic Design

2018 - 2023

### Online Certificates

Certificate in Digital Marketing

Cloud Architecture Certificate

Cloud Security Certificate

## HOBBIES



Music



Draw



Travel



Camera

## JOB & EXPERIENCE

2021  
2022

### Software Developer Intern

*Ndosha Limited / Chogoria County, Chogoria*

As a Software Developer Intern, I gained hands-on experience in full-stack development, contributing to the design, development, and optimization of web applications

- Assisting in the development of responsive web applications using modern JavaScript frameworks.
- Debugging and troubleshooting code to improve application performance.
- Working with RESTful APIs and integrating third-party services. Contributing to UI/UX design improvements for better user experiences.

2020  
2020

### Hardware Operator

*EAKO Limited / Kiambu County, Kikuyu.*

As a Hardware Operator at IEAKO Limited, I was responsible for ensuring the smooth operation, maintenance, and troubleshooting of various hardware systems used in the company.

- Installing, configuring, and maintaining hardware systems such as computers, printers, and network devices.
- Troubleshooting hardware malfunctions and conducting necessary repairs or replacements.
- Ensuring hardware systems are regularly updated and optimized for performance.

2018  
2020

### Software Developer Intern

*Astrodream Limited / Nairobi County, Ruaraka.*

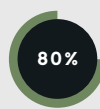
I worked with React.js, Next.js, and Node.js, assisting in building interactive user interfaces and backend functionalities. My role involved writing clean, maintainable code, debugging issues, and collaborating with senior developers to implement new features.

- Writing technical documentation for projects and development workflows.
- Learning and applying best practices in cloud computing with AWS and Google Cloud.
- Assisting in testing and deployment processes, including CI/CD pipelines. Collaborating with cross-functional teams to understand project

## LANGUAGES



English  
Natural



Kiswahili  
Perfect



French  
Starter

## References

### Mr. Nicholas Wachira

*Publishing Manager at EAEP*

nwachira@eastafricanpublishers.com

0721 869 287

### Mr. Henry Kihika

*Co-founder at Caheno Ventures*

hkihika@gmail.com

0723 375570

### Dr. Simon N Mwendia

*Deam School of School Technology, KCAU*

smwenida@kcau.ac.ke