

Wallicestene Waweru

Software Engineer

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[Portfolio](#) | [GitHub](#)

SKILLS

PROFESSIONAL SKILLS

Excellent Communication | Creativity | Decision Making | Collaboration | Team work | Problem solving | Strategic Thinking | Time management | Adaptability | Continuous learning

TECHNICAL SKILLS

JavaScript | HTML5 & CSS3 | ReactJS | Typescript | NodeJS | ExpressJS | Python | MongoDB | Firebase | RESTful API Integration | GIT & Version Control | TailwindCSS | Redux | SQL | PostgreSQL | AWS(S3, EC2)

WORK EXPERIENCE

INFORMATION TECHNOLOGY INTERN

UNITY HOMES - OCF INTERNSHIP PROGRAM | 1/06/2024 – 1/08/2024

- Collaborated on internal web tools, assisting with frontend development using React and backend debugging in Node.js.
- Improved UI responsiveness and resolved frontend bugs, resulting in smoother user experiences.
- Supported automation of internal workflows and enhanced documentation of system processes.
- Conducted system testing and recommended improvements, contributing to a 10% increase in efficiency.

SOFTWARE DEVELOPER INTERN

CODESOFT | 10/03/2024 – 10/04/2024

- Developed REST APIs using Node.js and Express, ensuring scalability and performance.
- Implemented secure user authentication using JWT protocols.
- Wrote modular and testable backend code integrated with MongoDB, improving maintainability.
- Worked in an agile team to ship new features and fix bugs on client-facing products.

PROJECTS

Bookify – Final Year Project(02/2025)

A full-stack accommodation booking platform where users can browse, book, and list properties.

- Technologies:** React.js, Node.js, MongoDB, Express.js
- Designed and implemented authentication, search filters, user dashboards, and booking workflows.
- Focused on performance and user experience, achieving 20% higher engagement during testing.
- Demo:** [Bookify](#)

MetaBlog (07/2024)

A blogging platform where users can post and manage content with role-based access control.

- Technologies:** React.js, Node.js, MongoDB, Express.js, TailwindCSS
- Clean UI, safe user input handling, and content management.
- Demo:** [MetaBlog](#)

E-Shop (09/2023)

A secure and responsive e-commerce platform featuring user registration, cart management, and order history.

- Technologies:** React.js, Node.js, MongoDB, Express.js, TailwindCSS
- Enabled 99% uptime and fast checkout using RESTful architecture.
- Demo:** [E-Shop](#)

EDUCATION

BACHELOR OF SCIENCE IN APPLIED COMPUTER SCIENCE

KCA University, Nairobi, Kenya (09/2021 – 04/2025)

Data Structures and Algorithms, Object-Oriented Programming, Networking, Software Development Life Cycle, Advanced Application programming, Advanced Web development

CERTIFICATIONS

- Database Management** – KCA University (01/2024)
- Python Programming** – KCA University (09/2023)
- JavaScript Data Structures & Algorithms** – FreeCodeCamp (02/2023)
- Node.js, Express.js, MongoDB**