W a l l i c e s t e n e W a w e r u

S o f t w a r e   E n g i n e e r

+2547 948 487 17 | wallicestenewaweru@gmail.com | Nairobi, Kenya | LinkedIn
Portfolio | GitHub

P R O F E S S I O N A L   S U M M A R Y

Detail-oriented software engineer with experience in full-stack web development using React, Node.js, and Python. Skilled in building scalable applications, integrating REST APIs, and working with SQL and NoSQL databases. Proficient in cloud deployments (AWS, Firebase), CI/CD workflows, and agile practices. Comfortable working in distributed teams and asynchronous environments.

S K I L L S

PROFESSIONAL SKILLS	Interpersonal skills| | Creativity | Decision Making | Collaboration | Positive attitude| Problem solving | Strategic Thinking | Time management | Attention to details | Growth mindset |
TECHNICAL SKILLS	JavaScript | TypeScript | Python | ReactJS| NextJS | NodeJS | ExpressJS | Django | HTML5 & CSS3 | SQL | PostgreSQL | MongoDB | AWS Cloud | Firebase | RESTful APIs | Git & Version Control | TailwindCSS | Agile Methodology| MVC Architecture | CI/CD Concepts

W O R K   E X P E R I E N C E

ICT ATTACHÉ
KENYA REVENUE AUTHORITY (KRA) – BSTEM DEPARTMENT | 8/05/2024 – 30/07/2025
- Contributed to backend workflow enhancements by writing and testing scripts that automated internal processes.
- Collaborated with developers to test and improve web-based systems, focusing on usability, performance, and security.
- Assisted in building and refining system features by troubleshooting issues and suggesting optimizations.
- Worked with internal teams to design small automation tools that reduced manual administrative tasks.
- Gained hands-on exposure to large-scale system architecture, secure data management, and cybersecurity practices within a government ICT environment.

INFORMATION TECHNOLOGY INTERN
UNITY HOMES - OCF INTERNSHIP PROGRAM |1/06/2024 – 1/08/2024
- Contributed to the development of enterprise web tools by building responsive user interfaces in React and integrating backend APIs in Node.js.
- Debugged and optimized backend services, improving system performance and reliability.
- Collaborated in agile sprints, participating in code reviews, testing, and deployment processes.
- Automated internal workflows using scripts and improved documentation to support maintainability.
- Worked closely with the dev team to enhance full-stack features, ensuring a smooth user experience across applications.

SOFTWARE DEVELOPER INTERN
CODESOFT |10/03/2024 – 10/04/2024
- Built and tested REST APIs using Node.js and Express, ensuring secure authentication and scalable architecture.
- Used JWT protocols for user authorization and managed backend database connectivity with MongoDB.
- Worked in an agile team setting, participated in sprint planning, and helped deploy bug fixes on cloud-hosted applications.

P R O J E C T S

Mkononi Connect (07/2025)
A multi-channel job-matching platform connecting blue-collar workers with employers.
- **Technologies:** NextJS (TypeScript), Django, Django REST Framework, PostgreSQL, Docker
- Supports web, WhatsApp, and USSD access with AI-powered job matching.
- Implemented secure authentication, advanced job filtering, and real-time applications.
- Developed a multi-channel job-matching platform connecting blue-collar workers with employers via web, WhatsApp, and USSD.
- Implemented AI-powered matching, secure JWT authentication, and advanced job filtering features.
- Integrated real-time application submission and webhook support for Twilio and Africa's Talking.

Demo: Mkononi Connect
Bookify – Final Year Project (02/2025)
A full-stack accommodation booking platform where users can browse, book, and list properties.
- **Technologies:** ReactJS, Node.js, MongoDB, Express.js
- Designed and built authentication, advanced search filters, user dashboards, and end-to-end booking workflows.
- Applied full-stack best practices to ensure scalability, performance, and security.

- Optimized UI and backend queries, improving overall responsiveness and 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**: ReactJS, NodeJS, MongoDB, ExpressJS, TailwindCSS
- Clean UI, safe user input handling, and content management.

Demo: [MetaBlog](#)

E D U C A T I O N

BACHELOR OF SCIENCE IN APPLIED COMPUTER SCIENCE
KCA University, Nairobi, Kenya (09/2021 – 11/2025)

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

C E R T I F I C A T I O N S

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- AWS Cloud Essentials
- Data Structures & Algorithms
- Database Management