Waweru Wallicestene Wakaba

Nairobi, Kenya
wallicestenewaweru@gmail.com | linkedin.com/wallicestene | Portfolio

Professional Summary

- Software Engineer with experience in full-stack web development, building scalable applications, and deploying cloud-based solutions.
- Skilled in React, Node.js, Python, and TypeScript with hands-on expertise in SQL/NoSQL databases and REST API design.
- Experienced in Agile teams, CI/CD practices, and cloud environments (AWS, Firebase, Docker).
- Strong foundation in system design, problem-solving, and secure, user-focused application development.

Skills

Technical Skills:
- **Languages:** JavaScript, TypeScript, Python, SQL
- **Frontend:** React, Next.js, TailwindCSS, HTLML5, CSS3,
- **Backend:** Node.js, Express.js, Django, NestJS, Prisma, Fast API
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Cloud & Tools:** AWS Cloud, Firebase, Docker, Git & Version Control
- **Concepts:** REST APIs, MVC Architecture, Agile/Scrum, CI/CD

Professional Skills:
- Creativity, Collaboration, Positive Attitude, Time management, Attention to details, Growth mindset, Interpersonal skills

Experience

ICT Intern – Kenya Revenue Authority (KRA)   June 2025 – Sep 2025
- Automated backend workflows with scripts, reducing manual processes by 25%.
- Collaborated with teams to test and enhance large-scale government systems with focus on performance and cybersecurity.
- Designed automation tools that streamlined administrative tasks across departments.

IT Intern – Unity Homes (OCF Internship Program)   June 2024 – Aug 2024
- Built responsive React interfaces and integrated Node.js APIs for enterprise web tools.
- Debugged and optimized backend services, improving reliability and performance.
- Automated workflows with scripts, reducing downtime and improving maintainability.
- Contributed in Agile sprints through code reviews, testing, and deployments.

Projects

Mkononi Connect | *Next.js (TypeScript), Django REST Framework, PostgreSQL, Docker* | Link   **Jul 2025**
- Multi-channel job-matching platform supporting Web, WhatsApp, and USSD.
- Implemented AI-powered job matching, JWT authentication, and advanced filtering.

Bookify – Final Year Project | *React, Node.js, Express, MongoDB* | Link   **Feb 2025**

- Accommodation booking platform with advanced search filters and dashboards.

- Built full-stack workflows for property listing, booking, and user management.

- Optimized backend queries and UI responsiveness, improving engagement by 20%.

MetaBlog | *React, Node.js, MongoDB, TailwindCSS* | Link   **Dec 2024**
- Blogging platform with role-based access control and secure content management.

- Developed a clean UI with safe input handling and scalable backend services.

Education

B.Sc. Applied Computer Science   **Sept 2021 – Apr 2025 (Coursework Completed, Graduation Nov 2025)**

KCA University, Nairobi, Kenya

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

Certifications

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