

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).
- 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, HTML5, 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, Communication, Positive Attitude, Time management, Attention to details, Growth mindset, Interpersonal skills

Experience

ICT Intern – Kenya Revenue Authority (KRA)

June 2025 – Sep 2025

- Collaborated with cross-functional teams to integrate pension management modules into the organization's portal, improving system interoperability.
- Enhanced platform security by implementing MFA, CAPTCHA, and secure user registration workflows.
- Supported deployment of key features such as pension calculators and contribution filters.
- Participated in testing and documentation to ensure smooth rollouts and system reliability.

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 <i>Next.js (TypeScript), Django, PostgreSQL</i> Link	Jul 2025
<ul style="list-style-type: none">• Multi-channel job-matching platform supporting Web, WhatsApp, and USSD.• Implemented AI-powered job matching, JWT authentication, and advanced filtering.	
Bookify – Final Year Project <i>React, Node.js, Express, MongoDB</i> Link	Feb 2025
<ul style="list-style-type: none">• 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 <i>React, Node.js, MongoDB, TailwindCSS</i> Link	Dec 2024
<ul style="list-style-type: none">• 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 KCA University, Nairobi, Kenya	Sept 2021 – Nov 2025
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
- Data Structures & Algorithms
- Front-end Development
- Database Management.