Waweru Wallicestene Wakaba

Nairobi, Kenya

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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.

- Integrated Twilio and Africa's Talking APIs for real-time communication.

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 2023**
- 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 **Sep 2025 – 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
- AWS Cloud Essentials
- AI Prompt Engineering
- Data Structures & Algorithms
- Database Management.