

STELLA WAMBUI WACHIRA

SOFTWARE DEVELOPER

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Location: Nairobi, Kenya,

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EXECUTIVE SUMMARY

Recent software development graduate passionate about building user-centered web applications. Completed multiple full-stack projects including payment integration and API development. Combining technical skills with strong communication background from sociology degree. Eager to contribute to a collaborative development team while continuing to learn and grow.

EDUCATION

- **Diploma in Software Development (Feb 2025 -Feb 2026)**
Institute of Software Technologies, Nairobi
- **Bachelor of Arts - Sociology & Communications (Sep 2020 – Dec 2024)**
University of Nairobi, Nairobi - Kenya
- **ICDL (Jan 2020 – April 2020)**
IAT, Nakuru

KEY SKILLS AND COMPETENCES

TECHNICAL SKILLS

- Frontend: React, Vue.js, HTML5, Tailwind CSS
- Backend: Node.js, Express.js, Laravel, PHP
- Databases: MongoDB, MySQL, Firebase
- Mobile: Flutter/Dart
- Tools: Git, Clerk, Visual studio code, Postman

TECHNICAL PROJECTS

EVENT APP SYSTEM | Solo Project | 1 Month

- Implemented user authentication and authorization for admin and guests.
- Integrated MPESA payment using the Safaricom STK push.
- Built RESTFUL API endpoints for creating, updating, and managing events.
- Integrated MongoDB database to store user profiles, event details, and registration of data.
- Overcame challenges in implementing real-time payment verification and handling asynchronous API responses.
- Technologies: React.js, Node.js, Express.js, MongoDB, M-PESA API
- <https://github.com/Stella-wach/Event-Project.git>

WEATHER APP SYSTEM | Solo Project | 1 Month

- Integrated OpenWeatherMap API to fetch real-time weather data based on user location or search input.
- Built asynchronous data fetching with JavaScript to display current conditions, forecasts, and weather alerts.
- Designed mobile-first responsive interface using Tailwind CSS utility classes.
- Solved challenges in handling API rate limits.
- Technologies: HTML5, Tailwind CSS, Vanilla JavaScript, OpenWeatherMap API
- <https://github.com/Stella-wach/Weather-App.git>

HOTEL BOOKING SYSTEM | Solo Project | 1 Month

- Built a comprehensive hotel reservation platform using Laravel framework and PHP.
- Developed database architecture to manage room inventory, bookings, and customer information.
- Implemented booking workflow including room search, availability checking, and reservation confirmation
- Created admin dashboard for hotel staff to manage bookings, room types, and pricing
- Integrated MPESA STK push for easier payment processing.
- Technologies: Laravel, PHP, MySQL, M-PESA.
- <https://github.com/Stella-wach/Hotel-Booking-System.git>

CERTIFICATIONS

- Software Development Certificate (2024)
- ICDL Certificate (2021) - IAT Nakuru

VOLUNTEER EXPERIENCE

Youth Volunteer | YMCA Nairobi | September 2021 – December 2024

- Facilitated team-building activities for youth groups, fostering collaboration and leadership skills
- Developed communication and mentoring skills through regular youth engagement.
- Collaborated with diverse teams to organize community outreach programs.

LANGUAGES

- English (Fluent)
- Swahili (Native)