

# VINCENT WAMBUGU WAMBUI

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**Portfolio:** <http://portfolio-eta-nine-679760jf05.vercel.app>

**Location:** [Nairobi](#)

## CAREER OBJECTIVE

Dedicated and detail-oriented Computer Science graduate with extensive experience in **full-stack development, SaaS platforms, and ICT/networking infrastructure**. Proven ability to design, implement, and maintain both software and network systems that solve real-world problems. Eager to contribute technical skills, analytical thinking, and problem-solving abilities to dynamic and challenging ICT or software development environments.

## EDUCATION

**Bachelor of Science in Computer Science** | Kirinyaga University

Sep 2020 – Sep 2024

- Relevant Coursework: Computer Networks, Systems Administration, Database Management, Software development, Network Security

**KCSE** | Gititu Secondary School | Jan 2015 – Nov 2018

**KCPE** | Stary Academy | Jan 2007 – Nov 2014

## TECHNICAL SKILLS

**Full-Stack Development:** JavaScript (ES6+), Node.js, React.js, Express.js, REST APIs, JWT authentication

**Databases:** MongoDB (MERN stack projects), PostgreSQL (PERN stack projects), SQL queries, schema design, data constraints

**Networking & ICT:** LAN/WAN setup, router/switch configuration, wireless installation, system administration (Windows/Linux), firewall setup, network troubleshooting

**Frontend:** HTML5, CSS3, Tailwind CSS, FullCalendar, responsive design, DOM manipulation

**Payments & APIs:** M-Pesa Daraja API (OAuth, STK Push, C2B), payment flow automation

**Tools & Platforms:** Git/GitHub, Postman, VS Code, Render/Vercel, Wireshark, Packet Tracer, Remote Desktop Tools

**Other Skills:** File uploads (Multer), Async/Await, Error Handling, Role-based Access Control, Team Collaboration, Agile Workflow

## PROFESSIONAL EXPERIENCE / PROJECTS (Timeline)

### Aug 2024 – Nov 2024 | MATSCHED – MATATU SCHEDULER System

#### Founder & Lead Developer

- Built a full-stack SaaS platform connecting personal trainers with clients for bookings, workout plans, invoices, and progress tracking.
- Integrated **M-Pesa STK Push** payment flow with **callback handling**, automating invoice updates.
- Designed **drag-and-drop calendar scheduling**, enabling trainers to manage availability efficiently.
- Implemented **secure JWT authentication** with role-based access (trainer/client).

- Built **MongoDB schemas** with relationships for users, sessions, invoices, and progress data.
- Created **responsive dashboards** for both trainers and clients with live invoice summaries.
- Achieved production-ready deployment in under **3 months**, demonstrating project ownership and end-to-end development.

**Tech Stack:** React.js • Node.js • Express • **MongoDB** • M-Pesa Daraja API • JWT

## Nov 2024 – Feb 2025 | Fit Fusion – Fitness Management Platform

### **Sole Developer & Founder**

- Developed a SaaS system connecting trainers with clients, with **full booking engine**, trainer discovery, ratings/reviews, and session management.
- Built **trainer & client dashboards** with secure role-based access, invoice generation, and progress tracking.
- Integrated **M-Pesa Daraja STK Push** for seamless, real-time payments.
- Designed a **workout plan builder** and weekly progression tracking, including progress photo uploads.
- Implemented **FullCalendar.js** for real-time availability management and conflict detection.
- Delivered **mobile-first responsive UI** with modern glass-morphism design patterns.
- Debugged and optimized complex queries and implemented robust error handling for production stability.

**Tech Stack:** Node.js • Express • **MongoDB** • Vanilla JS • FullCalendar • M-Pesa Daraja API • JWT

## Feb 2025 – May 2025 | Smart Matching System – Manicure & Pedicure Appointments

### Full-Stack Developer

- Developed a platform connecting beauty specialists with clients using **smart filters** (location, price, services, experience, availability).
- Built **specialist dashboards** for updating profiles, uploading previous works, managing services, and accepting/rejecting bookings.
- Implemented a **booking engine** with **double-booking conflict prevention** and earliest-availability sorting.
- Developed **admin dashboards** for user management, monitoring, and report generation (PDF & Excel).
- Ensured a **responsive UI/UX**, including client dashboards with filter sidebar and specialist profiles with detailed previous works.

**Tech Stack:** React.js • Node.js • Express • PostgreSQL • JWT • Git

## Mar 2025 – Jun 2025 | Client-Constructor Matching System

### Full-Stack Developer

- Developed a platform connecting clients with construction professionals for projects and services.
- Implemented **smart filtering system** by location, project type, budget, and contractor ratings.
- Built **project booking and scheduling system** to prevent overlapping assignments.
- Developed **contractor dashboards** to manage profile, previous works, availability, and client communications.

- Created **admin panel** to monitor contractors, approve new registrations, and generate project reports.
- Ensured mobile-first **responsive UI** and smooth user experience for clients and contractors.

**Tech Stack:** React.js • Node.js • Express • **PostgreSQL** • JWT • Git

#### Nov 2024 – Feb 2025 | Network Technician / Sales Representative – Ecospot Internet Ltd

- Installed and configured internet infrastructure for residential and commercial clients.
- Conducted site surveys and designed optimized network layouts.
- Installed routers, switches, and wireless access points; diagnosed and resolved connectivity issues.
- Provided excellent customer support, achieving high satisfaction rates.

#### May 2024 – Aug 2024 | ICT Assistant – NHIF Office, Kerugoya

- Installed and maintained LAN systems; configured secure workstations.
- Monitored connectivity, liaised with ISPs to resolve outages.
- Trained staff on IT systems and ensured antivirus/system updates across all machines.

#### May 2023 – Aug 2023 | ICT Support Intern – Ministry of Transport & Public Works, Nyeri

- Assisted with network setup and maintenance (routers, switches, wireless APs).
- Provided staff support for internet connectivity and software issues.
- Participated in digitization of departmental records and implemented data backup procedures.

## ADDITIONAL PROJECTS

- Portfolio Website – HTML, CSS, JS
- E-commerce Prototype – Node.js + Express + PostgreSQL
- Task Management App – Full CRUD functionality

## KEY SKILLS

- Networking: LAN/WAN setup, router/switch configuration, wireless installation
- Technical Support: Troubleshooting hardware/software issues, user support
- Internet Installation: Network cabling, signal testing, ISP configuration
- System Administration: Windows/Linux environments, user account management
- Cybersecurity: Network protection, firewall setup, antivirus deployment
- Software: MS Office Suite, Wireshark, Packet Tracer, Remote Desktop Tools
- Communication: Clear verbal and written communication with technical and non-technical users
- Teamwork: Collaborated with IT teams and departmental heads to improve service delivery

## LANGUAGES & INTERESTS

**Languages:** English (Fluent) | Swahili (Native)

**Interests:** Open-source contributions, SaaS platforms, fitness tech, fintech/payment integrations, networking and ICT solutions.

**Hobbies:** A pro badminton player.

## **REFEREES**

**Valentine Wanjiru (Ministry of transport and public works Nyeri) - +254717762107**

**Eugene Baraka (Stratum Devco Lead developer) - +254702853108**

**Fredrick Odumbe Software engineer (HelixCraft Software) - +254 707850704**