

Jefferson Njau Wanjiru

Full-Stack Developer

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Professional Summary

Full-stack developer with a background in automotive engineering and sales, passionate about building technology solutions and known for delivering projects under pressure and solving complex problems. Specializing in Laravel, React, Python, and PostgreSQL, with experience designing secure APIs, architecting databases, and deploying applications to production environments. I am eager to take on multiple roles and responsibilities in dynamic environments that will help me progressively grow career wise and as an individual.

Experience

MAY 2025 – Nov 2025

Team Lead & Full-Stack Developer / Lixnet Technologies • (Remote) Nairobi, Kenya

- Joined to stabilize and enhance an existing **HR & Payroll system**, with primary focus on the payroll module, identifying and fixing **100+ critical bugs** affecting salary calculations and deductions.
- Designed and implemented a **centralized payroll calculation engine** aligned with **Kenyan statutory requirements (NSSF, SHIF, Housing Levy)**, ensuring compliance with government regulations and internal business rules.
- Refactored legacy codebase and improved **data validation, accuracy, and reliability** of payroll processing using Laravel, MySQL, and Blade.
- Built and secured **RESTful APIs** to support a Flutter mobile application, implementing **token-based authentication, role-based access control**, and Laravel **middlewares**.
- Transitioned to lead a new product team focused on **designing and developing** the Lixnet Marketplace, an **e-commerce platform** for selling software solutions to small businesses.
- Led end-to-end development of the marketplace MVP using **React, TypeScript, Laravel, MySQL, and Tailwind CSS**, delivering core features including product catalog, cart management, and checkout workflows within a tight timeline.
- Provided technical leadership through **architecture decisions, code reviews, sprint planning**, and minor mentorship of junior developers.

SEP 2024 – PRESENT

Founder & Full-Stack Developer / Phone Home Kenya (phonehome.co.ke) • Freelance

- Designed, developed, and deployed a **full-featured e-commerce platform** for electronics using **React, Flask, PostgreSQL, and Cloudinary**.
- Integrated **M-Pesa API (production mode)** for secure online payments and implemented **JWT-based role-based access control** (admin and customer roles).
- Optimized **database schemas**, implemented **Redis caching** and pagination to support hundreds of product listings with improved performance.
- Managed **400+ product images** via Cloudinary API, ensuring efficient storage and fast content delivery.
- Deployed and maintained the application on a **VPS environment** using **Nginx, Docker**, and Redis for scalable infrastructure.
- Used **sales and traffic analytics** (10+ completed transactions) to inform marketing and product positioning decisions.

DEC 2024 – AUG 2025

Co-Founder & Developer / AudioPine Solutions (audiopinesolutions.co.ke) • Remote

- Co-founded a digital solutions agency delivering **web development and online presence solutions** for small businesses.
- Designed, developed, and hosted the agency website, managing the full development lifecycle from **requirements gathering to deployment**.
- Delivered **4+ client projects**, including business websites and custom digital solutions.
- Worked directly with clients to translate business needs into functional, maintainable technical solutions.

FEB 2022 – FEB 2024

Sales Associate / Oppo Kenya • Nairobi, Kenya

- Consistently exceeded sales targets; improved upsell revenue by 15% through consultative sales.

JUNE 2021 – JAN 2022

Automotive Technician/ PROTO Gas Energy • Nairobi, Kenya

- Diagnosed and resolved mechanical issues using diagnostic tools, lowering fuel consumption by 40% after installation of gas combustion systems.

Technical Skills

- **Back-end:** PHP(Laravel) • Python(Flask/Django) • Node.js(Express)
- **Front-end:** HTML5 • CSS3 • React • Tailwind CSS • TypeScript • Flutter
- **Databases:** MySQL • PostgreSQL • MongoDB
- **DevOps & Version control:** Git & GitHub • VPS Deployment • Docker • AWS • CI/CD
- **APIs & Integrations:** Mpesa API • Pesapal API • SMS APIs(Africa's Talking, SMS Leopard) • Email APIs
- **Architecture & Practices:** RESTful APIs • Role-Based Access Control (RBAC) • Agile/ Scrum workflows • Authentication & Authorization

Soft Skills

- Strong communication and collaboration
- Leadership and team coordination in remote environments
- Time management and ownership of deliverables
- Problem-solving under pressure
- Adaptability across technologies and teams

Education

MAY 2024 - JUNE 2025

Diploma in Software Development / Institute of Software Technology • Westlands, Kenya

- Relevant Coursework: React, Node.js, REST APIs, Database Design, Php, Laravel, Vue js, Mobile App Development

SEP 2017 – JAN 2021

Diploma in Automotive Engineering / NIBS Technical College • Kiambu, Kenya

- Graduated: August 2021

Projects

- **Lixnet HR/Payroll System** – Production payroll engine built with **Laravel, Blade, and MySQL**, aligned with **Kenyan tax compliance (2025)**; resolved **100+ legacy defects** and stabilized payroll calculations.

- **Lixnet Marketplace** – E-commerce platform using a **monorepo architecture** (React + TypeScript frontend, Laravel + MySQL backend); delivered full customer flow with pesapal payment gateway and webhooks.
- **Phone Home Kenya** – Full-stack **electronics e-commerce platform** built with **React, Flask, and PostgreSQL**; integrated **M-Pesa payments**, Redis caching, pagination, and **Cloudinary** for managing **400+ product images**; deployed on VPS with **Nginx**.
- **Volunteering App (Flutter + Firebase)** – Mobile application built with **Flutter and Firebase** connecting NGOs and volunteers; implemented **QR-based attendance tracking**, role-based access (Admin, NGO, Volunteer), and participation tracking with hours and badges.
- **Pixale Client Projects** – Delivered multiple **client websites and branding solutions**, managing projects end-to-end from requirements gathering to deployment.
- **Audiopine Agency Site** – Designed and deployed an agency website used for **client acquisition** and service showcasing.