Newton Muhindi Resume

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Summary

I am a Fullstack Software Engineer and Google-certified UI/UX Designer, skilled in building user-centered web applications with React, Python, and SQL. I am eager to contribute to a collaborative team, apply design-thinking principles to complex problems, and expand my technical expertise into new areas, including mobile development.

Technical Skills

Fullstack Development: Python, React, JavaScript, Flask, FastAPI, SQL (PostgreSQL, SQLite), HTML, CSS

UI/UX Design: Figma, UI/UX Principles, Design Thinking (Empathize, Define, Ideate, Prototype, Test), Responsive Design, Asset Preparation

CMS & Tools: WordPress, Elementor, Theme Customization, Plugin Management

Other: Version Control (Git), Site Performance Optimization, SEO Optimization, Site Security & Maintenance, Content Management

Work Experience

Freelance Web Development

Authentic.com – Web Development For Authentic Constructors and Interiors

altocom.co.ke – ecommerce Web Development For Altocom Technologies

geomaxcomputers.co.ke – eCommerce Web Development for Geomax Computers and Stationers

School Projects

Deliveroo – **Parcel Delivery Platform - Capstone Project**
• Built a modern parcel delivery system using **React (Vite)** and **FastAPI**, featuring user/admin dashboards, real-time tracking and mobile-first UI with Tailwind CSS.
• Implemented **JWT-based authentication** with role-based access control, allowing users to create and track parcels, and admins to manage deliveries with bulk actions and status updates.
• Engineered a modular backend with FastAPI, SQLAlchemy ORM, Alembic migrations, and a Pydantic-powered API layer; used PostgreSQL for production and SQLite for development.

ClinicMate – **Command-Line Clinic Management System**
• Developed a Python-based CLI tool for managing patient records and appointments, featuring a clean interface and modular architecture for easy navigation and scalability.
• Integrated **SQLAlchemy ORM** with an **SQLite database** to perform CRUD operations on patient and appointment records while ensuring data consistency and integrity.

[Wellness Tracker](#) – **Health Logging Platform**
• Built a full-stack web application with **React (Vite)** frontend and **Flask** backend to help users log daily sleep, exercise, and medications, with role-based **JWT authentication** and a responsive UI.
• Implemented features including health tracking, medication management, and a personal dashboard with data visualization and health history filtering, all backed by a normalized SQLite database using **Flask-SQLAlchemy.**

Core Competencies

- **Fullstack Development:** Building responsive applications using React, Python (Flask/FastAPI), and SQL, with experience in RESTful APIs and JWT-based authentication.

- **UI/UX Design (Google Certified):** Applying the full Design Thinking process (Empathize, Define, Ideate, Prototype, Test) to translate user needs and client requirements into intuitive, responsive, and functional high-fidelity prototypes in Figma.

- **Adaptable & Eager to Learn:** A quick learner passionate about mastering new technologies and development stacks, including mobile application frameworks.

- **Team Collaboration:** Worked with design and development teams to address blockers and deliver on client expectations.

- **Performance Focus:** Ensuring fast-loading, SEO-optimized websites with consistent visual design.

- **WordPress Expertise:** 3+ years building custom websites with Elementor, theme configuration, and plugin management.

Education

Coursera: Google UX Professional Certificate   *August – November, 2025*
Relevant Coursework: Design Thinking: Empathize, Define, Ideate, Prototype, Test.

Moringa School: Software Engineering   *February – July, 2025*
Relevant Coursework: Data Structures, Algorithms, Full Stack Web Development.

Skillshare: WordPress & Digital Marketing Training   *January – December, 2022*
Relevant Coursework: Comprehensive training in WordPress development, Elementor, and digital marketing fundamentals.

Referees

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