NGURU LILIAN WACUKA

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Portfolio: https://personal-portfolio-aoo4.vercel.app

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CAREER OBJECTIVE

Detail-oriented and creative Web Developer with a diploma in Information Communication Technology. Innovative Full Stack Developer skilled in building responsive, high-performance web interfaces using React.js and Next.js. Experienced in integrating AI APIs (OpenAI, Azure AI) into modern applications to enhance automation and user experience. Adapt at creating scalable full stack architectures, collaborating with teams, and delivering clean, maintainable code.

EDUCATION

Diploma in Information Communication Technology – Thika Technical Training Institute (2019–2023)
Key Courses: Web Development, Database Management, Graphic Design, Programming, Systems Administration

Kiangunyi Girls High School (2015–2018) – KCSE: C Plain

Wambwe Primary School (2005–2014) – KCPE: C+

TECHNICAL COURSE

I joined PLP Academy for a 16-weeks software engineering course ,where I gained such skills:

- ✓ Full stack development where I Specialized in MERN stack, solving real-world problems by designing and developing websites.

- ✓ Built and deployed **AI-powered chatbots** (for farm management or customer support).
- ✓ Implemented **machine learning models** to analyze and predict expense/income patterns.
- ✓ Applied **NLP techniques** to process and classify text (e.g., automating report generation).
- ✓ Used **computer vision** for image classification tasks.
- ✓ Integrated AI APIs (e.g., OpenAI, Google Vision, IBM Watson) into web apps.

- ✓ Experimented with **recommendation systems** (e.g., suggesting farm inputs or feeds).
- ✓ Worked with **AI in data visualization** (interactive dashboards with predictive insights).

I joined Ignite Program for a 4-week program, where I gained the following Cyber Security skills:

- ✓ SQL/NoSQL Injection Prevention
- ✓ Secure Authentication & Authorization (JWT, OAuth)
- ✓ HTTPS and SSL/TLS Implementation
- ✓ Secure Session Management (HTTP-only Cookies)
- ✓ API Security & Token Management
- ✓ CORS Configuration
- ✓ Password Hashing with bcrypt
- ✓ Environment Variable Management (.env Files)

TECHNICAL SKILLS

Front-End: React.js, Next.js, TypeScript, JavaScript (ES6+), TailwindCSS, Bootstrap
Back-End: Node.js, Express.js, RESTful APIs
AI Integration: OpenAI API, Azure AI, Copilot Studio
Databases: MySQL, MongoDB
Version Control: Git, GitHub
Tools: VS Code, Postman, Figma

Graphic Design:
- Adobe Photoshop: Logos, Flyers, Brochures
- UI/UX Design principles

Other Skills:
- Operating Systems: Windows, Linux
- Networking Fundamentals

PROJECTS

Poultry E-commerce Website:
- Developed a dynamic online store using HTML, CSS (Bootstrap), and JavaScript.
- Implemented cart functionality and dark mode.
- Live Demo: https://lilianwacuka.github.io/E-commerce-Web-Portfolio

Farm-Flux Website:
- Responsive platform to track livestock, inputs, and crops.
- Built user-interface using HTML, TailwindCSS, React+Vite, and JavaScript.
- Backend- Express.js, MongoDB
- View Project: **https://farm-flux-website-3qls.onrender.com**

Simple Budget Website:
- Budgeting tool with income and expense tracking.
- Developed using HTML, CSS, JavaScript.

- View Project: **simplebudgettracker-self.vercel.app**
Weather App API:
- Built using Firebase and APIs with real-time data.
Graphic Design Portfolio:
- Created logos, brochures, and flyers using Adobe Photoshop.
- Served clients such as Libapro Clean Ltd.

EXPERIENCE

Intern – Bawn Designers, Nairobi (Feb 2021 – Apr 2021)
- IT support and design tasks.
- Designed visual assets for clients.

Intern – City Hall, Nairobi (Nov – Dec 2021)
- Supported user IT issues and maintained systems.
- Assisted with network setup and maintenance.

Freelancer – Remotask: Remote - USA(2021–2022)

Role: AI agent- Designing 3D Annotation for self-driving cars AI

Freelancer - Transcription And Captioning. Remote- USA (2022-2023

Role: AI Agent. Verbit AI, Transcribe Me, Go Transcript

Institution: Verbit AI, Transcribe Me, Go Transcript
- Transcribing voice chat to a written script.

Role: Full-Stack Developer- Melta Point (2024-2025)

- ✓ Developed and designed dynamic websites and internal management systems for a graphic design company.
- ✓ Built responsive, user-friendly interfaces using **Typescript, Next.js**.
- ✓ Developed backend functionality with **Node.js and Express**, **Next.js** integrating **MySQL/MongoDB** databases for data storage and management.
- ✓ Implemented **user authentication**, secure login, and admin dashboards for workflow management.
- ✓ Optimized website performance, ensuring scalability and mobile responsiveness.
- ✓ Collaborated with designers to align digital platforms with brand identity and visual standards.
- ✓ Applied **basic cybersecurity measures** such as data validation, HTTPS integration, and secure password hashing to protect user data.

SOFT SKILLS

- Communication & teamwork
- Problem-solving & critical thinking
- Time management & adaptability
- Creativity & attention to detail

REFERENCES

1. Melta Point Kikuyu- Kiambu.

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2. Edwin Muraya
   Supervisor, Verbit Ai, Wavel AI
   0798906431