NGURU LILIAN WACUKA

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

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GitHub: https://github.com/LilianWacuka

Professional Summary

Detail-oriented and creative Web Developer with a diploma in Information Communication Technology, and a certificate in Software engineering. Innovative Full Stack Developer skilled in building responsive, high-performance web interfaces using React.js, MongoDB and Next.js. Experienced in integrating APIs 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

TECHNICAL COURSE

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

- Gained strong foundation in Python programming and problem-solving
- Developed responsive web interfaces using HTML, CSS, and JavaScript
- Specialized in Full-Stack Development using the MERN Stack (MongoDB, Express.js, React.js, Node.js)
- Built RESTful APIs and dynamic web applications
- Learned database design, querying, and data management concepts
- Applied software engineering principles, version control (Git/GitHub), and debugging practices
- Acquired skills in startup building, project planning, teamwork, and professional communication
- Strengthened employability skills through hands-on projects and real-world development workflows

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,
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.
- Live Demo: https://lilianwacuka.github.io/E-commerce-Web-Portfolio

Farm-Flux Website:
- Responsive platform to track livestock, inputs.
- 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**

Graphic Design Portfolio:

- Created logos, brochures, and flyers using Adobe Photoshop.
- Served clients such as Libapro Clean Ltd.

EXPERIENCE

Intern – Bawn Designers(Cyber Attendant), Nairobi (Feb 2021 – Apr 2021)

- IT support and design tasks.
- Designed visual assets for clients.
- Designed logos, flyers, brochures for the clients.
- Operating systems installation

Intern – City Hall, Nairobi (Nov – Dec 2024)

- Supported user IT issues and maintained systems.
- Assisted with network setup and maintenance.
- Repair and maintenance of computers, printers.
- Performing LAN expansion and troubleshooting

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 Intern- Melta Point (April 2025-August 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 **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.

✔ I was able to improve company visibility by 17% and build a good rapport with the company clients.

SOFT SKILLS

- Communication & teamwork
- Problem-solving & critical thinking

- Time management & adaptability
- Creativity & attention to detail

REFERENCES

Upon Request