

Efjeniah Saru Mwawughanga

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Kenya

SUMMARY

Driven and motivated Junior Developer with a solid foundation in Information Technology and hands-on experience in full-stack software development. Skilled in scripting, testing, and platform design, with a proven ability to enhance digital experiences. Adept at adapting to projects of varied scopes and sizes, committed to driving productivity through innovative solutions. Seeking opportunities to contribute to a forward-thinking organization.

SKILLS

• Technical Skills:

- Proficient in JavaScript and Python
- UI/UX Design
- Frontend Development (React, Redux)
- Backend Development (Python, Flask, Django)
- Integration and API (RESTful)
- Version Control (Git)
- Network Configuration (LAN, WAN)
- Proficiency in computer applications
- User Support and Troubleshooting
- Technical Documentation
- Database management and data analysis tools
- GIS Data Collection and Analysis

• Core Competencies:

- Communication & Problem-Solving
- Teamwork & Adaptability
- Time Management & Attention to Detail
- Critical Thinking & Creativity
- Empathy & Patience
- Leadership & Conflict Resolution

PROJECTS

Online Charity Management System - Link(<https://online-charity-management.onrender.com/>) Developed a comprehensive web application to facilitate online donations and fund management for non-profit organizations. The platform, built with a modern tech stack including React, Redux, Python, and Flask, enables secure and efficient transactions for donors, NGOs, and admins.

Z-Tea Ecommerce System - Link (<https://gen-ztea-qi9fi.onrender.com/>)

Developed a comprehensive e-commerce platform for specialty teas, Z-Tea, leveraging a modern tech stack including React.js, Flask, and MongoDB. The application enables secure and efficient transactions, providing a seamless shopping experience for customers and robust management tools for admins.

EXPERIENCE

ICT Assistant | Empserve Kenya

February 2025 – Present

Program Management Support

- Assist in the planning, coordination, and execution of digital skills training programs for participants or external stakeholders.
- Support the development of training materials, including presentations, e-learning modules, and other resources.
- Conduct research on emerging technologies, industry trends, and best practices in digital skills development.
- Help organize workshops, hackathons, or innovation events to promote creativity and problem-solving within the organization.
- Collaborate with internal teams to identify digital skills gaps and develop strategies to address them effectively.
- Assist in the evaluation and assessment of digital skills training programs to measure their impact and effectiveness.
- Support the management of digital platforms or tools used for training and innovation purposes.
- Stay updated on the latest digital tools, platforms, and technologies relevant to our industry.
- Contribute ideas and suggestions for innovative projects or initiatives to drive digital transformation within the organization.
- Designing training materials, including presentations, and hands-on exercises, to support the learning process
- Supporting the maintenance of existing computer systems, including troubleshooting problems with hardware and software

Full-Stack Developer | M-TREAT

January 2025 – February 2025

- Built and integrated a pharmacy registration and authentication system using React, Redux, Django, and PostgreSQL.
- Developed user authentication and data retrieval/update functionalities to enhance efficiency.
- Collaborating with teams to develop, test, and deploy applications.

GIS Data Collector | KPLC

September 2024 – November 2024 | Mombasa

- Collected and analyzed geospatial data to support the development of power distribution infrastructure. • Collaborated with engineering teams to ensure accurate mapping of electrical assets and service areas.
- Utilized GIS software to create detailed maps and visualizations to inform decision-making processes.

Key Accomplishments:

- Improved data accuracy by implementing standardized data collection protocols.
- Enhanced project efficiency through timely delivery of geospatial analyses.

Industrial Trainee | KENGEN

January 2023 - April 2023 | Embu

- Provided comprehensive user support, including training, and maintained support systems (e.g., Enterprise Resource Planning (ERP) system support) and software.
- Received, installed, and certified ICT equipment; configured new ICT equipment and networks, including Local Area Network (LAN) and Wide Area Network (WAN).
- Configured and troubleshooted network setups, including network cable termination and setup.

Key Accomplishments:

- Enhanced operational efficiency and user satisfaction by providing comprehensive ERP system support and ensured seamless network connectivity with minimal downtime.

EDUCATION

Moringa School | Certificate in Software Engineering | Nov. 2023- Aug. 2024

- Professional

Certificate Relevant

Coursework:

- Frontend Development and Web Applications
- Backend Development and Web APIs

Kabarak University | Bachelor of Science in Information Technology | Sept. 2019-Dec. 2023

Relevant Coursework:

- Software Engineering
- Programming
- System Analysis and Design
- Network and Communication Technology
- Database Management Systems

Volunteer Experience

- **Community Service Volunteer(Bamburi CDF | Mombasa, Kenya)**

Assisted children and expectant mothers by performing operations that would be tedious for them, putting them at ease, and engaging them in community activities during their visits to the clinic.

Cultivated effective relationships and demonstrated commitment to improving operations through hard work and dedication.

REFERENCES

- **Mr. William Njoroge**

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- **Mr. Chrispus Alukwe**

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