Ombuya John

Inquisitive software engineer with skills in creative and critical thinking and a strong foundation in logic and programming.

Donholm, Nairobi
(254) 748 818 183
jjngugi27@gmail.com
GitHub Link
LinkedIn Link
Portfolio Website Link

EXPERIENCE

AMREF — Software Developer Intern.

DECEMBER 2024 - PRESENT

Tasks and Achievements

- Designed and implemented AI chatbots using Copilot Studio, streamlining internal workflows and improving user engagement across Microsoft 365 platforms.
- Built solutions with PowerApps, Power Automate, and SharePoint, automating tasks and integrating seamlessly with broader M365 tools.
- Developed and managed WordPress websites, ensuring consistent functionality, user-friendly interfaces, and timely content updates.
- Created scalable Flask-based web applications, supporting internal systems with efficient and reliable backend services.

Contact: Issa Hashim (Lead Software Developer) – +254 706 805 838

M-TREAT — Fullstack Developer Intern.

JANUARY 2025 - APRIL 2025

Tasks and Achievements

- Designed and implemented patient account management, including authentication and profile handling.
- Optimized backend APIs for secure and efficient patient data management.
- Improved the UI/UX for a seamless patient experience.

Contact: Pascal Oduor (CTO) – +254 792 424 222

Freelance — Full Stack Developer.

JANUARY 2023 - PRESENT

Tasks and Achievements

- Pioneered the entire development lifecycle of a high-impact full-stack web application for a local high school, filling a crucial technological gap. The initiative resulted in the establishment of the school's first online presence.
- Collaborated seamlessly with a diverse team to conceptualize, develop, and present a mobile application leveraging React Native to create a dynamic platform, similar to Uber, facilitating efficient connections between technicians and service seekers.

SKILLS

Proficient in **Node.js**, **Python**, and web development using **Flask** or **Express.js** or mobile development using **React Native**.

Automation using **AutoIt** and **Selenium**.

Familiar with database management systems and **Git**.

Strong problem-solving and teamwork skills.

Knowledge of Agile methodologies.

Configuration Management.

CERTIFICATIONS

FI Prompt Engineering- Future Interns, Dec 2024.

Fundamentals in AI/ML in Precision Medicine - Stanford, Nov 2024.

CodeAlpha Machine Learning – CodeAlpha, Nov 2024.

Fundamentals in Data Science in Precision Medicine and Cloud Computing - Stanford, Sep 2024.

Swap Space — React Native Developer.

NOVEMBER 2024 - JANUARY 2025

Tasks and Achievements

- Developing a feature-rich mobile application for the real estate sector using React Native.

Contact: Khalid Boulhala – [LinkedIn Profile](#)

Gulf African Bank — IT Intern.

APRIL 2024 - SEPTEMBER 2024

Tasks and Achievements

- Providing prompt and efficient technical support across departments via calls and emails.
- Assisting in maintaining accurate inventory records within the company's database system.
- Proficiently setting up PCs, ensuring they are configured and ready for immediate use, contributing to smooth operations.

Contact: Isa Abdulaziz (Service Desk Manager) – +254725358673

The Crestville Schools, Nakuru — IT Consultant

JANUARY 2023 - PRESENT (PART-TIME)

Tasks and Achievements

- Responsible for maintaining computer hardware and software used.
- Responsible for designing any material i.e., rack cards to effectively communicate the school's message to students, parents, and the community, considering the purpose, audience, and content of the materials.

Contact: Hellen Wairimu (Director) – +254722605513,

hellensw@yahoo.com

Mobalytics — Remote Extern

APRIL 2024 - AUGUST 2024

Tasks and Achievements

- Conducted comprehensive research on gaming genres, focusing on game mechanisms, KPIs, revenue models, and player psychology.
- Developed insights and delivered presentations recommending market expansion opportunities.
- Collaborated with cross-functional teams, building strong communication, critical thinking, and analytical skills.

Contact: LaRae Snoddy (Director, Student Operations) – 917-983-0880,

referencechecks@extern.com

Full Stack Web Development Internship Program – Edureka, Jan 2024.

CODSOFT Python Programming - CODSOFT, Dec 2023.

DAVIS & SHIRTLIFF HACKATHON 1st Runners Up – D&S, Nov 2023.

Python Pro Bootcamp - Udemy, Nov 2022.

STACK

Python, JavaScript|TypeScript, Node|Deno, NextJS, React, React Native, HTML, CSS, MySQL and PostgreSQL

FAMILIAR WITH

Using **Visual Studio Code, Visual Studio 2019, IntelliJ IDEA, and Jupyter Notebook.**

Jest, Datadog, Postman, Puppet, Docker, GitHub, Office Suites.

Webacy Inc. — Remote Extern

APRIL 2024 - MAY 2024

Tasks and Achievements

- Conducted extensive research on Web3 security challenges, enhancing the organization's understanding of the evolving landscape.
- Analyzed emerging blockchain technologies and synthesized findings into comprehensive reports, contributing valuable insights for strategic decision-making.
- Examined non-mainstream competitors in the Web3 security space, providing critical insights that influenced Webacy's competitive strategy.
- Collaborated with cross-functional teams remotely to develop a market map featuring blockchain technology, showcasing strong communication and teamwork skills.

Contact: LaRae Snoddy (Director, Student Operations) - 917-983-0880, referencechecks@extern.com

EDUCATION

KCA University, Nairobi— *B.Sc. Software Development*

SEPTEMBER 2022 - NOVEMBER 2024

second Class Honours Upper

ALX SE, Nairobi— *Software Engineering*

FEBRUARY 2023 - JULY 2024

LIVE PROJECTS

Gavi CSO & **Amref**— *Web Page Development | WordPress & Custom HTML/CSS/JS*

Contributed to the development and deployment of custom web pages for Gavi and Amref Health Africa, enhancing the presentation of key programmatic content. Worked within the existing WordPress infrastructure and custom themes to ensure responsive design, accessibility, and brand alignment.

Kiamunyi School Web Platform — *Web Development and Deployment for Kiamunyi Mixed Day Secondary School using Flask and JavaScript*

Developed and deployed a web application for Kiamunyi Mixed Day Secondary School using Flask, JavaScript, and Bootstrap. The website provided information about the school, its programs and events, and a platform for communication between teachers, students, and parents.

[Mtreat](#) — *Digital Health Platform | Web Development with ReactJS and Django*

Developed and deployed a web application supporting mental health awareness and access to therapy tools. Built the frontend using ReactJS and the backend with Django, implementing user authentication, resource delivery, and interactive features to enhance user engagement.