Ian Hubert Omondi Ogonjo

Full-Stack Developer

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PROFILE SUMMARY

I am a Full-Stack Developer with a strong passion for website development and data analysis. My expertise lies in building user-friendly and efficient web and mobile applications, leveraging both front-end and back-end technologies to deliver seamless functionality and a superior user experience. With a solid foundation in Python, Flask, Swift and modern web and mobile development practices, I have successfully designed and implemented complete application solutions tailored to meet specific user needs.

I am eager to further enhance my skills by embracing advanced technologies and innovative approaches to create impactful web solutions.

TECHNICAL SKILLS

Languages: JavaScript, HTML/CSS & Python, Swift
Databases: MySQL
Frameworks and Libraries: Laravel, Flask
Platform and Dev Tools: Git, Docker, Microsoft Azure Studio, PowerBI, Apache Server & Tableau Public

WORK EXPERIENCE

Full Stack Developer   **January 2024 – March 2024**
Information and Communication Technology Authority

- **Enhanced user experience** by designing and implementing responsive web interfaces and optimizing website performance using Figma, ensuring seamless functionality across devices.
- **Delivered custom web applications** that streamlined internal government services, leading to increased operational efficiency.
- **Transformed mockups into functional websites** by planning and executing development with HTML, CSS, JavaScript, and frameworks such as Laravel, providing dynamic and interactive user experiences.
- **Conducted in-depth data analysis** for the Last Mile Project under the National Optic Fibre Backbone Infrastructure (NOFBI), leveraging Power BI and Tableau Public to visualize insights and drive data-informed decisions.
- **Built semi-supervised learning models** using Python libraries like NumPy and Pandas to enhance data-driven predictions and decision-making processes.

PROJECTS

MaidBora | HTML, CSS, PHP, Laravel & MYSQL   **April 2023 – July 2023**

MaidBora is a web application that seeks to connect homeowners to social skill workers, e.g., housemaids, chefs, or babysitters. This application was built to bridge the gap between both social workers and homeworkers, as in the past it has been seen to be very tiresome to find reliable help through traditional means. By providing a streamlined platform for matching the

needs of homeowners with the skills of social workers, MaidBora simplifies the process, making it more efficient and trustworthy for both parties involved.

EduSense | HTML, CSS, JavaScript & Flask   **April 2024 – November 2024**

EduSense is a web-based application designed to streamline student management processes in educational institutions. The platform connects students, lecturers, mentors, and administrators by providing a centralized system for managing academic records, tracking attendance, and evaluating performance. EduSense leverages data-driven insights and machine learning models to predict student outcomes, such as dropout risks, enabling proactive interventions. By automating administrative tasks and enhancing academic monitoring, EduSense fosters a more efficient, transparent, and supportive educational environment for all stakeholders.

Stokisha | Swift, Flask   **March 2025**

Stokisha is a mobile application designed to simplify stock management for small business owners and kiosk operators. The platform provides an intuitive system for tracking inventory, automating sales metrics, and setting business targets, enabling users to manage their stock efficiently. Stokisha supports offline functionality, allowing businesses to operate without an internet connection and sync data later. By eliminating the need for complex barcode systems and integrating manual stock entry, the app offers an affordable and accessible solution tailored to small-scale retailers. With features like stock notifications based on business hours and real-time sales insights, Stokisha empowers business owners to optimize inventory control, reduce losses, and drive profitability.

EDUCATION

Strathmore University   Nairobi, Kenya
Bachelor of Science in Business Information Technology   **June 2021 – June 2025**

Strathmore University – Apple iOS Swift Training Center   Nairobi, Kenya
Certified – Mobile App Development with Swift   **Feb 2025 – March 2025**

- Engaged in an intensive, hands-on training program focused on iOS and macOS app development using Swift, covering both foundational concepts.
- Designed, developed, and deployed a fully functional iOS application as part of a comprehensive course project, applying industry best practices.
- Built a stock inventory management system ("Stokisha"), enabling small business owners to digitize stock tracking, automate sales metrics, and monitor inbound/sales inventory.
- Strengthened problem-solving and debugging abilities through real-world coding challenges and troubleshooting common development issues.

CLUBS & SOCIETIES

Strathmore Business Club   **April 2024 - Present**
Finance Director

- Leading and managing the Flea Market Committee in planning and executing flea market events at Strathmore University through the SBC Marketplace.

- Supervising financial operations in collaboration with the financial analysis team and accountants.
- Overseeing the launch of Uniduka to SBC vendors, an e-commerce platform facilitating vendor sales.
- Advise the president of the club and board of directors on strategic financial management plans based on quarterly goals.

REFEREES

Details are available upon request. Please feel free to contact me for further information.