

RAY BASWETI

Software Developer | ray.paymentsoverflow.com

A result-driven and resourceful professional with a deep interest in providing the best solutions to business challenges using data and automation while constantly learning and adapting to newer trends in technology.

SKILLS

Technical Skills:

- ❖ **Programming Languages:** I am proficient in Python/Django framework for full-stack web development, building dynamic and scalable applications.
- ❖ **Databases:** Expertise in SQL and NoSQL databases (PostgreSQL, MySQL, MongoDB) with experience in designing, implementing, and managing efficient database systems.
- ❖ **Web Development & Scripting:** I am skilled in front-end (Bootstrap, HTML, CSS, JavaScript) and back-end development with Django, Flask, and RESTful API integrations.
- ❖ **Version Control & Collaboration:** Proficient in Git for version control, managing repositories, and collaborating with development teams through GitHub.
- ❖ **Automation:** Experience with automating repetitive tasks using Python, Bash scripting, and cloud-based tools like Make.com and n8n.
- ❖ **Content Management Systems:** Hands-on experience with WordPress, including theme and plugin customization, and integrating third-party APIs for enhanced functionality.

Business & Analytical Skills:

- ❖ **Data Visualization:** I am skilled at using tools like Tableau, Power BI, and Python libraries (Matplotlib) to transform complex datasets into actionable visual insights.
- ❖ **Business Analysis:** Expertise in gathering and analyzing business requirements, mapping workflows, and identifying areas for operational improvement. Strong problem-solving skills with an ability to translate business needs into technical solutions.

EXPERIENCE

Sound Support Technician – Thinkomm Ltd.

April 2025

- ✓ Engineered and operated public address (PA) systems and live audio equipment for conferences and events, ensuring high-fidelity sound delivery for all attendees.
- ✓ Collaborated with media teams to script content for documentaries, rapporteur for conferences and create report summaries post-event.

Software Developer Attaché – Greenspoon Ltd.*May 2024 – August 2024*

- ✓ Worked with the Development team to build and test a machine learning model to predict the movement of goods out of the warehouse with the aim of having a channel that dictates the quantities to use to procure and stock goods depending on the period under focus.
- ✓ Designed the company corporate website with the aim of building a front that investors and customers can find necessary information with regards to the company structure, financial reports, sustainability practices and answers to frequently asked questions. The goal was to achieve the open and transparent principles that Greenspoon stands for.

Brand Manager – Digimatt Solutions Ltd.*January 2022 – April 2022*

- ✓ I brainstormed innovative ideas for collaborations with local businesses and influencers, leading to a 15% increase in the brand's social media visibility, which was brought about by planning 2 successful online events.
- ✓ I created a workflow to source for available opportunities posted from tender listings so that the company could submit its proposals and thus reducing the hassle of perusing through individual websites.

Logistics – Mount Olives Adventist School*May 2021 – September 2021*

- ✓ Laid down pick-up and drop-off routes for school transport vehicles to ensure timely ferrying of students while ensuring optimal utilization of the resources available such as drivers, vehicles and fuel.
- ✓ Maintained records for the fleet under the school to ensure proper documentation of all repairs, insurance and mileage.

RELEVANT PROJECTS

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- 1. A Cryptographically Secure Goods Tracking Platform** *January – March 2025*
 - ✓ Designed and architected a web app that uses cryptography to track the movement of goods from the manufacturer to the retailers thus providing a traceable supply chain for the consumers.
 - ✓ This ensures authenticity of the products in the market and helps identify contraband and imitated goods sold to unsuspecting customers.
 - 2. Lost and Found Reporting Tool with AI Imaging** *October 2024 – April 2025*
 - ✓ Developed a registry for use by high population density areas like towns and campuses to enable residents to log images of misplaced items that can then be mapped to the owners through image matching with AI.

- ✓ The project implements image labelling to find similar items that have been submitted before and ranks them in the order of percentage accuracy then notifies potential owners.

3. **CHP biodata fetch and push on eCHIS – MoH Kenya** *March 2024*

- ✓ The goal was to find a way to fetch data from community health promoters (CHPs) deployed in the remote villages and push it to the Kenya Electronic Medical Records platform.
- ✓ Together with my team members, we successfully pulled the data from the target devices and pushed them to the Kenya EMR platform and won the hackathon for our proof of concept.

4. **Feature modelling for the HealthIT EID/VL system - UNES** *April 2023*

- ✓ Worked with a team to build a notification component for the Early Infant Detection/Viral Load (EID/VL) platform that is used to manage infants born with HIV.
- ✓ The goal was to have a way to have the parents and stakeholders get the necessary advice based on the recorded blood test records so as to effectively manage the virus in the children.

EDUCATION

Chuka University

September 2021 – April 2025

Bachelor of Science in Computer Science

Friends School Kamusinga

January 2017 – April 2021

High School Education – Attained Grade: B+

CERTIFICATIONS

- Software Engineering (Power Learn Project) *Nov. 2024 – June 2025*
- Artificial Intelligence Career Essentials (ALX Africa) *Aug. 2024 – Oct '24*
- Introduction to Quantum Computing (The Coding School) *Sept. 2021 – April '22*

REFEREES

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