Sichile Makwemba Malonje

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Education

University of Botswana, Botswana
Bachelor of Science in Computer Science
August 2021 - May 2025

Projects

Online Student and Work Permit Management System for Botswana
Tools used: Laravel, Flask, Stripe, OpenCV
A Student and Work Permit Management System for Botswana built with Laravel for the backend, Flask for facial authentication using OpenCV, and Stripe for secure online payments. Features include permit application, biometric verification, and real-time permit status tracking

Malawi E-Commerce Platform
Tools used: NextJS, Supabase, Stripe, Zustand
Designed and developed a scalable e-commerce web application empowering local Malawian businesses to list, sell, and purchase a wide range of goods. The platform includes user authentication, product management, secure payments, and real-time order tracking..

Integrated Student Admission API System
Tools used: Node.js, Express, MySQL, Keycloak, Postman
Designed and implemented an API-based backend for a university admission system enabling communication between multiple services. Built and documented RESTful APIs (using OpenAPI) for Omang ID verification, BEC results, program qualification filtering, and student records.Integrated user registration and login with Keycloak for authentication and authorization.

Professional Experience

Digital Platforms Intern —MASCOM Wireless
June 2024 – August 2024
- Configured and tested KYC devices using Postman, Power BI and SSIS
- Participated in Mobile Money System maintenance
- Gained experience with ETL pipelines, CDR data warehouses and report automaton using Microsoft TOAD.
- Collaborated with Data and DevOps team on ETL piplenes and API testing

Skills

Languages:	TypeScript, JavaScript, Python, Java, Haskell, PHP
Frameworks/Libraries:	Laravel, Next.js, React, React Native, Flask
Databases:	MySQL, PostgreSQL, Supabase, SQLite
Tools and Platforms:	Docker, Git, Postman, Vercel, Netlify, Firebase, REST APIs, Supabase Auth, Stripe Integration and KeyCloak