Sifiso Denzel Chitowe

Software Developer | BSc Computer Science Graduate

Lilongwe, Malawi
sifisochitowe@gmail.com

I'm a recent BSc in Computer Science graduate from the University of Malawi with hands on experience in full stack software engineering, systems integration, and data analytics. Proven track record in designing secure database architectures with Supabase and PostgreSQL, building robust Django REST APIs, and integrating third-party fintech infrastructure like the PayChangu mobile money gateway. I'm proficient across multiple environments, including mobile development, game engines, and cloud platforms managing end-to-end applications from local code to live cloud deployment and DNS configuration. Equally skilled in translating complex system datasets into actionable insights using tools like Power BI, QGIS, and Jupyter Notebooks.

EDUCATION

University of Malawi, Zomba, Malawi

BSc Computer Science

Graduated 2026

St. John's Private Secondary School, Lilongwe, Malawi

Malawi School Certificate of Education (MSCE)

December 2020

PROJECTS

SmartSlot

Universal Office Resource Booking System

Final-Year Project, COM 422, University of Malawi (2026)

Led backend development and database architecture for a multi-tenant booking platform serving Malawian organisations. Built the Django REST API with JWT authentication and role-based access control, implemented the booking engine with conflict-prevention logic, integrated the PayChangu mobile money payment gateway with webhook handling, and developed the QR code generation and verification system. Designed and maintained the Supabase PostgreSQL database, including migrating the project from SQLite and Firebase to a unified cloud architecture.

Tech: Python, Django, Django REST Framework, PostgreSQL (Supabase), JWT, Render/Gunicorn

GitHub: github.com/chimwemwekatenje/Smart-Slot-Project

SKILLS

Programming Languages

Python, Java, C++, GDScript, JavaScript

Backend & Databases

Django, Django REST Framework, PostgreSQL, Supabase, RESTful API Design, JWT Authentication

DevOps & Infrastructure

Docker, Linux System Administration, Git/GitHub, Cloud Deployment (Render)

Mobile & Frontend Development

Android Studio, React, React Native

Game Development & Graphics

Godot Engine, OpenGL

Data & Geospatial Analysis

Power BI, QGIS, Jupyter Notebooks

Design & Networking

Figma, Cisco Networking (CCNA concepts)

Integrations

Fintech & Mobile Money Gateway Integration (PayChangu)

Certifications

Introduction to Software Development (C++ Programming)

Computer Clinic Digital Academy, endorsed by ICTAM, 2021

Software Packages (MS Word, PowerPoint, Excel, Google Docs, Sheets, Slides)

Computer Clinic Digital Academy, endorsed by ICTAM, 2021

Languages

English (fluent)

Chichewa

French(basic)