

Moses Msukwa

+265881482472 | msukwamose1@gmail.com

Zomba, Malawi

[Website](#) | [LinkedIn](#) | [Twitter](#) | [GitHub](#) | [Hashnode](#)

PROFILE SUMMARY

I am a full-stack software engineer skilled in mobile Android and web development with five years of experience. I hold a Bachelor of Science degree in Computer Science and Mathematics from the University of Malawi, Chancellor College, and certifications in application development. I am also well-versed in Network engineering and Linux OS. Am skilled in the following software development technologies: Mysql, sqlite, Python, Java, **Kotlin**, PHP, and Laravel. I like learning and reading about technology, and leadership.

TECHNICAL SKILLS

- **Mobile Application Development: Android development with Kotlin or Java**
- **Database design and management** : mysql, postgres, sqlite
- **Web Application development:** PHP, JavaScript, Laravel, Vuejs, Reactjs, and WordPress
- **LAN design and deployment**

EMPLOYMENT HISTORY

Senior Tech Lead– YONECO, Zomba, Malawi

May. 2020 – Jan.2023

- Led a team of IT officers and technicians for the organization in managing both hardware and software.
- Designed and developed a requisition processing system using Laravel. The system manages cash, fuel, transport, and leave requests for members of staff.
- Integrated the National Bank's Payment gateway to the institutional websites. The platform is used for making donations to the institution by donors.
- Redesigned and deployed the local area Network for the organization using VLANS for departments and sections
- Deployed public IP resources sourced from AfriNIC putting the organization on the public Internet.
- Led the development of an Online Service Directory for NGOs in Malawi. The platform is built using Laravel

Software Developer – YONECO, Zomba, Malawi

Aug. 2018 – May.2020

- Lead a team software developer in refactoring web and mobile applications for the organizations – helpline android mobile application and case management systems using Java and Laravel respectively.
- **Designed and developed a radio streaming mobile android application for YFM using kotlin**
- Designed and implemented DHIS2 for organizational data collection and management
- Designing, developing, and deploying android mobile applications on google play for radio streaming and reporting abuse
- Administering the organization's Local Area Network and deployment of local web hosting server
- Configuration and installation of radio transmission sites for YONECOFM – designing the radio transmission network, configuring and installing wireless radios and routers

Software Developer Intern – YONECO, Zomba, Malawi

Jan. 2017 – Jul. 2018

- **Mobile application designing and Development - Developed a mobile android application for reporting and combating abuse and violence. The application won an award during the ICTAM awards 2017. The application was developed using Java.**
- Designed and developed a web application for case management in the National Helpline for the company. The application was developed using the Laravel PHP framework. The application is being used by counselors and other stakeholders for case management.
- Network Management- configuration and installation of radio transmission sites for YONECOFM – designing the radio transmission network, configuring and installing wireless radios, Barix, and routers
- Web development using WordPress

ICT Intern, Malawi SDNP – Malawi SDNP, Lilongwe then Blantyre, Malawi

2015 – 2016

- **Web application development – maintaining** the organizational website and I also took part in designing and developing an invoicing system for invoicing clients for the company. The system was developed using PHP.
- **DNS server configurations and monitoring** – registering and activating .mw domain names in the DNS. I learnt about and worked with DNS and Linux servers

PROJECTS

Sumu Na Malombo

This is a mobile android app that provides users with catholic hymns, and prayers in chitumbuka. I worked on both the design and development of this product. The application was developed in Java([store](#)). Am currently reworking the app using Kotlin

Radio streaming

This is a mobile android app that helps users stream YONECOFM. I worked on both the design and development of this product. The application was developed using Kotlin([store](#))

Helpline App

This is a mobile android app that helps users in reporting and combating abuse and violence. The application won an award during the ICTAM awards 2017. The application was developed using Java([store](#))

Other projects

Other mobile android projects are on Github, mostly developed using kotlin.([Github](#))

CERTIFICATES

- **Android Kotlin Developer (2022)** by Google
- **Introduction to Internet Exchange Point (IXP)** by ISOC
- **Python Specialization** (2019) by University of Michigan
- **Android Basics Nano Degree** (2019) by Google
- **Introduction to AI course** (2019) by IBM
- **Linux Server Administration course** (2016) by the Department of Computer Science, Chancellor College

EDUCATION

Master of Science in Informatics (ongoing) , University of Malawi, Chancellor College	2020 - 2023
Bachelor of Science in Computer Science and Mathematics with Credit , University of Malawi, Chancellor College	2012 - 2016
MSCE , St Patrick's Seminary, P.O Box 20, Rumphi	2007 - 2010

REFEREES

- **Mr. Benson Nkhoma Somba**
The Station Manager
YONECO
P.O Box 471
Zomba
0885 91 96 23
0999 55 16 54
bnkhomasomba@yahoo.com
mmanc@yoneco.org.mw
- **Mr Panji Harawa**
Imagivation Technology
P.O Box 32187
Chichiri
Blantyre
0994 37 66 05
panji.harawa@imagivatiointech.com
- **Dr. Frank Mtumbuka**
School of Computer Science and Informatics, Cardiff University
Senghennydd Rd,
Cardiff,
CF24 4AG,
United Kingdom
+44 7407 549531
mtumbukaf@cardiff.ac.uk
fmtumbuka@gmail.com

