

MPHATSO KADZAKUMANJA

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<https://mphatsok1.github.io/portfolio/> <https://github.com/MphatsoK1>

EDUCATION

Bachelor's Degree in Computer Systems and Security

⌚ 06/2022 - 2026 📍 Thyolo

- Institution
- Malawi University of Science and Technology (MUST)

Malawi School Certificate of Education (MSCE)

⌚ 09/2016 - 2020 📍 Lilongwe

- Institution
- Likuni Boys Secondary School

PROFESSIONAL SUMMARY

Software Engineer with a strong background in Computer Systems and Security, experienced in developing secure web and mobile applications. Passionate about integrating security into the Software Development Life Cycle (SDLC) through secure coding practices, automation, and DevSecOps principles. Interested in ethical hacking, vulnerability assessment, and building scalable, secure systems.

SKILLS SUMMARY

Mobile-App Development ML Model development (AI)

Programmin Languages : Dart, Python, JavaScript, Java, PHP, C++
Frameworks & Libraries : Django, React.js, Flutter,Pandas, NumPy, Matplotlib, Bootstrap
Cybersecurity Tools & Practices : Metasploit, Wireshark, Vulnerability assessment, Network traffic analysis, Secure authentication and authorization.
DevOps / DevSecOps Concepts : CI/CD pipelines, Secure SDLC, dependency management, environment configuration, deployment workflows
Databases & Systems : MySQL, SQL, Packet Tracer
Soft Skills : Leadership, Communication

Web-App/Website Development Penetration Testing Database

Network administration Server administration

PROFESSIONAL EXPERIENCE

Software Engineer

Company Name: AfroAI

⌚ Period May 2025 - Present

Location: Remote - South Africa

Description

- Backend software development using Django for a production web application.
- Implemented secure authentication, role-based access control, and data validation.
- Worked within development workflows aligned with CI/CD and security best practices.

Software Engineer

Company Name: Mi-Doc

⌚ Period November 2025 - Present

Location: Onsite - Malawi

Description

- Developed mobile (Android & iOS) and web applications for a telemedicine platform.
- Implemented backend logic with focus on data privacy and secure access control.
- Contributed to full-stack development, testing, and deployment processes.

Software Engineer (Full-stack, AI/ML)

Company Name: Qore-AI

Period November 2025 - January 2026

Location: Remote - Malawi

Description

- Designed and developed web applications integrated with machine learning components
- Considered security implications of data handling and model usage
- Supported maintainable and secure application deployment workflows

Freelancer

Company Name: Malawi Institute of Education (MIE)

Period December 2025

Location: Hybrid

Description

- Developed a mobile application to support educational services

Company Name: Up-Work

Period 2025 - Present

Location: Remote

Description

- Delivered web and software solutions for diverse clients
- Managed projects with focus on code quality, security, and client requirements.

PROJECTS

Mi-Doc Website and Mobile application.

Telemedicine company: connecting patients to Doctors.

url: mi-doc.co

Skills: Flutter, React.js, Tailwind CSS

Mphuzitsi-AI

Gamified kids Learning platform enhanced with AI

Skills: ML

School Finance Management System.

Created a desktop app to help schools manage their daily financial activities.

Included daily reporting feature for the daily financial activities.

Skills: Java, SQL, MySQL

Katekisma.

A church web application to help members while carrying out their church classes.

Portfolio.

It describes more about me and showcases my projects and skills.

Url: <https://mphatsok1.github.io/portfolio-/>