

Manfred Chirambo

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Blantyre, Malawi

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PROFILE

BSc ICT, CCA | ML/AI Engineer | Software Engineer

Detail Oriented

Tech & Coffee

EXPERIENCE

Software Engineer & ML specialist

Aug 2024 - Present

Qubix Robotics | Blantyre, Malawi

AI Developer & Infrastructure Lead

- Trained students in mobile app development (React Native, Flutter) and AI (**Python, TensorFlow, scikit-learn**), guiding real-world projects from concept to deployment.
- Built and maintained web and mobile apps using **React, Next.js, Tailwind CSS, Node.js, and REST APIs**.
- Designed and maintained both relational (**PostgreSQL**) and non-relational (Firebase) databases for client and internal applications.
- Managed **Linux servers** and deployed AI services using Docker, Nginx, and cloud-based workflows.
- Hosted **company websites and ML APIs**, ensuring uptime and performance through continuous monitoring and automated deployments.
- Set up and maintained reliable internet infrastructure using **Starlink** to power worksite connectivity.
- Developed interactive dashboards in **Power BI** and automated **ETL pipelines** with **Python and Pandas** for performance reporting.

ML Engineer

Jun 2024 - Jan 2025

Outlier-(Part Time Remote)

Data Automation & Systems Support

- Developed Python and TypeScript scripts to automate the scraping, cleaning, and aggregation of unstructured data from diverse online sources, supporting internal reporting and decision-making.
- Conducted code reviews and implemented industry-standard best practices to enhance code quality, performance, and maintainability.

Information Technology Intern/ICT officer intern

Jan 2022 - Apr 2023

Zuwa Energy | Lilongwe, Malawi

- System administrator working with Windows Server, Linux (Ubuntu/CentOS), and macOS systems,
- Worked with enterprise tools such as Angaza and QuickBooks, managing user access, troubleshooting issues, and supporting daily business operations.
- Configured and maintained local and remote networks, including router/switch setup, firewall rules, and IP address management to support stable connectivity across all company branches.

Intern Software Engineer

Nov 2021 - Feb 2022

Archi's Academy- Remote | Turkey

- Assisted in the daily system operations, contributing to the optimization of codebase and enhancing system performance.

Data Science volunteer (Remote)

Jan 2025 - Feb 2025

Unicef Office of Emergency Operations (EMOPS) | Turkey

- Aggregated captured data into a centralized database and visualized information using a PowerBI dashboard, featuring essential filtering options (date, country, source, content), while ensuring integration with UNICEF's geospatial dashboard, GeoSight, for enhanced data visualization.

EDUCATION

Bachelor's In Information Communication Technology (ICT)

2024

Daeyang University | Lilongwe, Malawi

- Major In Software Engineering
- Part of CodeBrains
- ICTAM tudent Member

SKILLS

Android

C

Django

Go (Golang)

Javascript

Python

R

ReactJS

MySQL

Flutter

LANGUAGES

English

Fluent

OTHER SKILLS & CERTIFICATIONS

HACKATHONS

- UNLEASH Hacks- Youth Unemployment 2024 - 3rd Place
- GOOGLE- Africa ASR Challenge - 2ND PLACE
- MALAWIGOV.&NEXTGEN-Digitalization Malawi- WINNER

CERTIFICATION

- Meta Front-End Engineer
- AWS Cloud Solutions Architect
- IBM Machine Learning Professional Certificate
- ICTAM

REFERENCES

Sanga Kanthema - Chief Executive Officer, Qubix Robotics & TME Education Ambassador,
sanga@qubixrobotics.com
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Nadia Noumri - EMOPS Emergency Specialist - Risk Analysis Unicef,
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