

Manfred Chirambo

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BSc ICT | ML/AI Engineer | Software Engineer

Professional Experience

Qubix Robotics

SOFTWARE ENGINEER & ML SPECIALIST

Blantyre, Malawi

Aug 2024 – Present

- Designed and implemented web and mobile applications using React, Next.js, Flutter, Node.js, and REST APIs, ensuring seamless integration between front-end and back-end components.
- Developed and optimized relational (PostgreSQL) and non-relational (Firebase) databases to support business operations.
- Automated deployment pipelines with Docker and Nginx, ensuring system reliability and performance.
- Conducted system testing, integration testing, and debugging to improve software quality and reliability.
- Collaborated with teams to deliver secure, scalable applications aligned with organizational goals.

React Node.js PostgreSQL REST API Docker

Zuwa Energy

INFORMATION TECHNOLOGY INTERN

Lilongwe, Malawi

Jan 2022 – Apr 2023

- Configured and maintained Windows, Linux, and macOS systems to support business applications.
- Designed and managed local/remote networks including routers, firewalls, and IP management.
- Assisted with enterprise system integration and troubleshooting to ensure stable operations.

Windows Server Linux Networking System Administration

UNICEF EMOPS

DATA SCIENCE VOLUNTEER

Remote

Jan 2025 – Feb 2025

- Aggregated captured data into centralized databases and integrated with geospatial dashboards (GeoSight).
- Developed Power BI dashboards with interactive filtering for decision-making and reporting.

Power BI Data Integration ETL GeoSight Python TypeScript ETL Automation

Archi's Academy

INTERN SOFTWARE ENGINEER

Remote, Turkey

Nov 2021 – Feb 2022

- Contributed to software development tasks, assisting in optimizing existing codebase and improving performance.
- Participated in testing and debugging activities to support reliable system operations.

Education

Daeyang University

BACHELOR'S IN INFORMATION COMMUNICATION TECHNOLOGY (ICT)

Lilongwe, Malawi

2024

- Specialization in Software Engineering, system design, and database management.
- Active member of CodeBrains & ICT Association of Malawi (ICTAM) student chapter.

St. John's Catholic Secondary School

MALAWI SCHOOL CERTIFICATE OF EDUCATION (MSCE)

Lilongwe, Malawi

2018

- Achieved 16 points in MSCE examinations, with strong performance in mathematics and science subjects.

Certifications & Hackathons

- 2024 **Winner, Digitalization Malawi Hackathon**, Malawi Government & NextGen
- 2023 **2nd Place, Africa ASR Challenge**, Google
- 2022 **Meta Front-End Engineer**, Meta
- 2024 **3rd Place, Youth Unemployment Hackathon**, UNLEASH Hacks

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
snnoumri@unicef.org

Khumbo Gondwe

Project Lead - Camfed Malawi

Camfed

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Skills

Programming & Development

PHP | Java | JavaScript | .NET | Python | Go | React | Flutter

Databases

Oracle | MSSQL | MySQL | PostgreSQL | Firebase | JSON/XML

Systems & Tools

Linux & Windows Administration | Docker | REST APIs | CI/CD Pipelines | Power BI

Free Time

League of Legends | Hiking | KK