

# TAWONA RWATIDA

## SOFTWARE ENGINEER

118 Harare Dr., Harare, Zimbabwe • +263783028721 • tnrwatida@gmail.com

<https://tawonarwatida.co.zw>

<https://linkedin.com/in/tawona-rwatida>

### SUMMARY

Full-Stack Engineer with nearly 4 years of software engineering experience, specializing in scalable, high-traffic and cloud-native systems. Led the modernization of a 100k+ user e-commerce platform using Next.js, Laravel, AWS, and event-driven design, improving performance by 50%+. Experienced in architecting API-first systems and deploying secure, containerized applications in production.

### WORK EXPERIENCE

#### Lead Full Stack Engineer

Quatrohaus | Nov, 2024 – Present

- Architected and led modernization of an e-commerce platform serving 100k+ users (TM Pick n Pay webstore), migrating from WordPress to a scalable Next.js & Laravel system
- Improved performance by 50%+ through frontend optimization, backend refactoring, and indexed MySQL queries
- Designed API-first, event-driven architecture using RabbitMQ with secure authentication (JWT, Sanctum)
- Deployed containerized infrastructure on AWS (EC2, S3, auto-scaling, load balancing) with CI/CD via GitHub Actions

#### Data Analyst & Backend Developer

Huawei Technologies | Apr, 2025 – Jul, 2025

- Built backend automation tools using Spring Boot, Python, and SQL to analyze telecom network data
- Reduced enterprise processing time by 40%+ through workflow automation and optimized queries
- Built automated reporting pipelines for large-scale telecom performance analysis
- Delivered technical insights to major telecom clients including Econet and TNM Malawi

#### Software Developer

Contessasoft | Jul, 2024 – Nov, 2024

- Delivered 2+ full-stack e-commerce platforms and 10+ business websites
- Contributed to Laravel-based systems deployed across multiple local authorities

#### Software Developer (Internship)

Olimem Enterprise Solutions (Pvt) Ltd | August, 2022 – August, 2023

- Developed Laravel and VB applications used by 4+ councils and rural authorities across Zimbabwe

### TECHNICAL SKILLS

- Frontend:** Next.js, React, React Native, Vue.js, Redux
- Backend:** Laravel, Spring Boot, Node.js, REST APIs, JWT
- Architecture:** API-first, Event-driven (RabbitMQ), Microservices
- Database:** MySQL (indexing, optimization), SQL
- Cloud & DevOps:** AWS (EC2, S3), Docker, CI/CD, Git

### EDUCATION

#### BSc (Hons) Software Engineering — First Class

University of Zimbabwe | Aug, 2020 – Jun, 2024

Most Consistent Undergraduate Student (Faculty of Computer Engineering & Informatics) ICDL & Computer Society of Zimbabwe Award | CBZ Bank Book Prize

### PROJECTS

#### Natural Language Processing-based Patient Referral Mobile App

AI-powered mobile application for patient referral system using Natural Language Processing. Streamlines healthcare communication and patient data management. Reduces referral processing time by 70% through automated NLP analysis.

#### Tax Calculator with AI Assistant (TaxCul)

Comprehensive web application for calculating various types of taxes in Zimbabwe with AI-powered assistance. Supports corporate tax, VAT, PAYE, and capital gains calculations. Used by 5000+ users for accurate tax planning.

### CERTIFICATIONS

Cybersecurity Certificate for Service Work (Huawei, April 2025)