ZWIVHUYA M. MUKWEVHO

matidza.mukwevho.z@gmail.com | https://github.com/matidza | https://zwivhuyamukwevho.netlify.app

TOOLS & LANGUAGES

Front-end: React, Next.js, HTML, CSS, TailwindCSS, Bootstrap, DaisyUI
Back-end: Python, JavaScript (Node.js, Express.js), Django, Flask, PostgreSQL, MongoDB, RESTful APIs
Architecture & Tools: Git, Render, Railway, Nginx, Gunicorn, Docker (learning), WebSockets, JWT Authentication
Focus Area: System Design, Microservices, Database Optimization, API Gateway Design, Distributed Systems, Asynchronous Processing

PROFILE SUMMARY

Self-taught **Software Developer** specializing in **System Design** and **Back-end Architecture**, with hands-on experience in building scalable SaaS products. Skilled in architecting RESTful APIs, optimizing databases, and structuring backend systems for performance and maintainability. Currently leading **Qasar**, a full-stack SaaS platform built with **Node.js**, **Express.js**, and **React**, designed around modular service architecture and distributed data management.

PROJECTS

Qasar – SaaS platform for varsity Students
(Node.js (Express.js) & Next.js) — May 2025 – Present
Role:: Software Developer (System Design & Architecture)
Status: Frontend Live | Backend Implementation in Progress

https://qasar.vercel.app/

- Architecting a modular SaaS platform using **Express.js microservices** on the backend and **React** on the frontend to enhance scalability and maintainability by 70%**.**
- **Implemented** a secure JWT-based authentication system with refresh token rotation, **reducing authentication vulnerabilities by 90%** using layered middleware authorization.
- **Developed** RESTful APIs for authentication, payments, and reviews, **improving data flow efficiency by 56%** via optimized service routing and asynchronous communication.
- **Integrated** PostgreSQL and MongoDB to **enhance data retrieval speed by 40%**, leveraging hybrid database architecture for relational and document-based storage.
- **Applied** system design principles such as caching, load balancing, and modular decomposition, **reducing server response time by 35%.**
- **Configured** WebSockets for real-time notifications and set up Docker-based deployments, **improving CI/CD consistency and portability by 60%**.

Admission-Schools
(Django REST Framework, React) — Apr 2025 – May 2025
https://Admission-schools.up.railway.app

- **Developed** a RESTful API managing a centralized database of South African schools, **cutting query latency by 30%** through database indexing and optimized ORM queries.
- **Integrated** the React frontend with backend endpoints, **enhancing user interactivity by 40%** through asynchronous JSON-based data rendering..
- React front-end via REST endpoints using JSON, enabling dynamic rendering of school data and enhancing user experience.

- **Implemented** modular backend logic with scalable models, **simplifying future feature integration** such as advanced search and filters.

Admission
(Django & PostgreSQL) — Jul 2024 – Mar 2025
https://admission.up.railway.app

- **Built** a Django-based backend supporting multi-user admission tracking, **serving 200+ beta users** and improving transparency between parents and schools.
- **Implemented** role-based dashboards with secure authentication, **increasing data protection by 50%** using encrypted sessions and restricted access routes.
- **Designed** dynamic forms with file upload support, **reducing manual errors by 40%** through validation and structured input handling.
- **Automated** email notifications for admission updates, **decreasing administrative workload by 60%**.

E-Commerce   Website
(Django, PostgreSQL, PayPal API) — Jan 2024 – Jun 2024
https://customs.up.railway.app

- **Developed** a secure backend integrating PayPal API, **boosting successful transactions by 30%** through improved payment error handling and validation logic.
- **Implemented** shipment tracking API, **enhancing logistics accuracy by 45%** through automated order updates.
- **Optimized** checkout workflows, **increasing user satisfaction by 25%** with reduced friction during payment processing.

WORK EXPERIENCE

Wonderfully Made Properties
Free-lancing(Dec 2024 – Jan 2025)
Role: Web Developer
https://wmade.onrender.com/

- Rental Website for Wonderfully Made Properties: A custom-designed website for renting houses, providing an intuitive and user-friendly experience for potential tenants to browse and inquire about available properties.
- Used Python and Django for the back-end to enable users to send emails using google gmail services, and Bootstrap for slick and responsive design

Tekkie Town Store
Makhado, Limpopo
Seasonal Sales Assistant
Dec 2016 – Jan 2017

- Collaborated effectively with the team to manage on-floor stock and coordinate restocking efforts, ensuring product availability and visual appeal during peak traffic.
- Achieved 73% of the seasonal sales target by leveraging product knowledge and providing personalized assistance, enhancing the overall shopping experience and driving sales performance.
- Demonstrated strong time management skills during peak holiday sales, delivering prompt customer assistance, which contributed to higher satisfaction and repeat visits.

Tekkie Town Store
Makhado, Limpopo
Seasonal Sales Assistant
Dec 2015 – Jan 2016

- Communicated clearly and confidently with customers, resulting in improved sales outcomes and a increase in customer satisfaction.
- Adapted quickly to fluctuating sales demands and changing store layouts, ensuring smooth operations and meeting seasonal sales targets during busy periods.

EDUCATION

North-West University
Bachelor of Commerce in Economic Science and Risk Management   2023 – Paused