ZWIVHUYA M. MUKWEVHO

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TOOLS & LANGUAGES

Front-end: HTML, CSS, React , Bootstrap, Tailwindcss
Back-end: Python, JavaScript, PostgreSQL, Flask, Express.js, MongoDB
Tools: Git,Railway,Render, Node.js, Django, RESTful API, Next.js

PROJECTS

Vyuzes (Node JS(Express JS) & NextJS)   May 2025 – Current
Software Developer   (In Development)

- Will build a modular SaaS application using Next.js for the frontend and Express.js microservices on the backend, aiming to improve scalability and codebase maintainability by 70%, through clear service separation and reusable component design.
- Will design and implement a secure JWT-based authentication system with refresh token rotation and middleware authorization, reducing potential security vulnerabilities by over 90%, leveraging best practices in token management and protected route handling.
- Will develop dynamic, responsive UI components using Tailwind CSS and DaisyUI within the Next.js framework, enhancing user experience and accessibility across devices, while improving page performance and SEO through server-side rendering (SSR).
- Will integrate core back-end services — including payments, reviews, and user dashboards — by consuming RESTful APIs via Axios, enabling real-time data sync and seamless frontend-backend communication, increasing data flow efficiency by 56%.
- Will leverage tools like MongoDB, PostgreSQL, WebSockets, and Zoom SDK to implement data persistence, live messaging, and video functionality, streamlining both back-end logic and user interaction, while maintaining high system performance and modularity.

Admission-Schools   Apr 2025 – May 2025
Developer (back-end & front-end)   https://Admission-schools.up.railway.app

- Python-based Restful API using Django and Django REST Framework to manage a centralized database of South African schools, supporting structured access to key details like location, fees, and contacts.
- Designed and implemented scalable back-end logic with PostgreSQL to store and retrieve school data, optimizing performance and reducing query times for the front-end.
- React front-end via REST endpoints using JSON, enabling dynamic rendering of school data and enhancing user experience.
- Applied modular, testable code practices and REST conventions using Python to ensure the API was maintainable and ready for future enhancements, such as search and filtering features.

Admission   Jul 2024 – Mar 2025
Software Developer (back-end)   https://admission.up.railway.app

- Django-based back-end using Python and PostgreSQL to enable parents to apply for school admissions and track application statuses in real time, increasing transparency and accessibility for over 200 users during beta testing.
- Secure user authentication and role-based access controls, directing parents and schools to dedicated dashboards for managing personal data and application records, improving user experience and data protection.
- Designed a dynamic application forms with file upload support, allowing parents to submit school-specific requirements such as transcripts and medical documents, resulting in a 40% reduction in manual form errors.

- Built an admin interface for schools to review applications, update decisions, and trigger automated email notifications, streamlining administrative workflows and reducing response time by 60%.

E-Commerce Website
Software Developer (back-end)

Jan 2024 - Jun 2024
https://customs.up.railway.app

- E-commerce platform with PostgreSQL, Django and Python to enable secure login, registration, and data management, ensuring data integrity for 10 users.
- Integrated the PayPal API to establish a secure payment system, achieving a 30% increase in successful transactions.
- Will implement Shipment Tracking API to efficiently manage logistics for over 50 monthly orders, ensuring on-time deliveries.
- Enhanced user experience through intuitive design and streamlined checkout processes, boosting customer satisfaction ratings by 25%.

WORK EXPERIENCE

Wonderfully Made Properties
Web Developer

Free-lancing
Dec 2024 - Jan 2025
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
Seasonal Sales Assistant

Makhado, Limpopo
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
Seasonal Sales Assistant

Makhado, Limpopo
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