

# ZWIVHUYA M. MUKWEVHO

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## TOOLS & LANGUAGES

**Front-end:** HTML, CSS, React , Bootstrap

**Back-end:** Django, Python, JavaScript, MySQL, PostgreSQL, Flask, RESTful API

**Tools:** Working with Git,Railway,Render, CI/CD piplines,

## PROJECTS

### A dmission-Schools

Apr 2025 - Current

Developer (back-end & front-end) (Back-end up for scheduled M maintainace) <https://A dmission-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 backend logic with PostgreSQL** to store and retrieve school data, **optimizing performance and reducing query times** for the frontend.
- Built **custom serializers** and views in Python to handle data validation and transformation from the Admission project, ensuring clean and reliable inputs.
- Integrated the API with **a 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.

### A dmission

Jul 2024 - Current

Software D eveloper (back-end)

<https://admission.up.railway.app>

- Developed a **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**.
- Implemented **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 and deployed **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%**.
- **Integrated a RESTful API** ([Admission-Schools project](#)) to store and manage school data externally from the main application, **enhancing modularity and enabling scalable expansion** to accommodate additional institutions in future updates.

## 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%**.

## Student Card

Web Developer (back-end)

Mar 2023 - Nov 2023

<https://studentcard.onrender.com/>

- Developed a **dynamic web application** using **Flask and MySQL** to implement **secure user authentication**, enhancing data management efficiency for over **300 users**.
- **Independently managed** project timelines and tasks, delivering the project on schedule while showcasing **leadership, organization, and problem-solving skills**.
- Streamlined access to essential academic information, such as exam timetables, improving the student experience by **reducing access time by 48%**.
- **Deployed** the application on Render using a GitHub CI/CD pipeline and Nginx, ensuring efficient **web hosting and reliable performance**.

## WORK EXPERIENCE

### Wonderfully Made Properties

Web Developer (Back-end)

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