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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 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 back-end logic with PostgreSQL to store and retrieve school data, optimizing performance and reducing query times for the frontend.
- Built custom serializers and views 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.
- Architected a 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%.
- 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

Jan 2024 - Jun 2024

Software D eveloper (back-end)

<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

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