DAN MUNENE

FULL-STACK SOFTWARE ENGINEER

CONTACT

- +254706318757
- danspmunene@gmail.com
- LinkedIn
- Github
- PortFolio

TECHNICAL SKILLS

- Back-end Development
1. Python   5. Postgresql
2. Flask
3. SQL
4. Git

- Front-end Development
1. HTML
2. CSS
3. JavaScript
4. ReactJs

- Computer Aided Design
1. Solidworks

SOFT SKILLS

- Attention to detail.
- Enthusiastic learner.
- Highly adaptable.
- Leadership qualities.
- Strong collaboration skills.
- Effective time management.

ACTIVITIES

Siemens Mechatronic Systems Certification Program   2021
Electrical Components, Mechanical Components and Electric Drives, (Electro) Pneumatic and Hydraulic Circuits, Digital Fundamentals and PLCs.

DELF French Certification level B1
Alliance Française - Nairobi
2018

PROFILE

Full-Stack Software Engineer proficient in Python with Flask, React, and JavaScript-based programming, with a solid background in Mechatronic engineering. Experienced in problem-solving and proficient at executing tasks with precision. Whether it's optimizing backend processes for efficiency or creating intuitive user interfaces, I'm dedicated to leveraging my skills to drive positive change and make a meaningful impact.

TECHNICAL PROJECTS

Bazuu Fitness   Github

Full-stack web application designed to revolutionize fitness journeys by fostering community-driven support and engagement.

- Employed Flask, SQLAlchemy, and OOP for dynamic features including authentication, activity management, and community interaction, secured with bcrypt. Postgresql for the database.
- Utilized React.js for intuitive navigation, personalized profiles, and seamless interaction with Zustand for state management and Formik/Yup for form management and validation.

Travel Itinerary Organizer - Github

CLI application that efficiently organizes travel plans with detailed destinations, activities, and accommodations.

- Employed SQLAlchemy ORM and CLI to create a Python-based software for efficient itinerary planning.
- Implemented Object-Oriented Programming (OOP) principles to develop CRUD operations for trips, destinations, accommodations, and activities.
- Enhanced user experience with intuitive navigation and robust error handling.

EDUCATION

Moringa school   **Full-stack Software Engineering**   2023 - 2024
Relevant Modules:
   HTML, CSS, JavaScript, React, Python, Flask , SQL, Git

Dedan Kimathi University of Technology   2018 - 2023
Bachelor of Science in Mechatronic Engineering
   Grade: Second class honors upper division

EXPERIENCE

Bhachu Industries Limited   Nairobi, Kenya
Mechanical Design Engineer   01/2023 - Present

- Produced over 50 detailed engineering drawings and documentation using Solidworks for trailers and gas cylinders.
- Designed trailers and gas cylinders that passed rigorous quality checks and adhered to industry standards, contributing to the company's reputation for quality and reliability.
- Collaborated with managers and experts to ensure project requirements were met, resulting in efficient design solutions.