NAMES: EMANSI N. SIMUMBA

https://github.com/simumba-23

Morogoro, Tanzania 🏠
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≡ ABOUT

Full-stack Software Engineer with a strong back-end focus, specializing in Python, Django, React, and React Native. Experienced in building scalable web and mobile applications, integrating APIs, and managing relational databases (MySQL, PostgreSQL, SQLite). Detail-oriented and collaborative, with a proven ability to solve complex problems, deliver high-quality software, and lead innovative solutions.

SEX   :   MALE

NATIONALITY   :   TANZANIAN

DATE OF BIRTH   :   20th FEBRUARY 2001

MARITAL STATUS :   SINGLE

LANGUAGES   :   SWAHILI, ENGLISH

🎓 EDUCATION

Bachelor's degree | MZUMBE UNIVERSITY – MAIN CAMPUS (FACULTY OF SCIENCE AND TECHNOLOGY)
Discipline: BSc INFORMATION AND COMMUNICATION TECHNOLOGY WITH MANAGEMENT
Certificate: Degree of Bachelor of Science in information and communication technology with management
11/2021 – 11/2024

Advanced Level Education | ILEJE SECONDARY SCHOOL
Combination: PCB
Certificate: Advanced Certificate of Secondary Education Examination (ACSEE)
07/2019 – 05/2021

Ordinary Level Education| MPAKANI SECONDARY SCHOOL
Certificate: Certificate of Secondary Education (CSEE)
01/2015 –11/2018

Primary Education| MAJENGO PRIMARY SCHOOL
Certificate: Certificate of Primary Education
01/2007 –11/2014
OTHER CERTIFICATES
- Certificate of participating in the training on preparing and creating an effective podcast that took place at Mzumbe University (Main Campus).

- Certificate of Python training at simplilearn.

SKILLS

Technical Skills
- Programming Languages:
  - Python, JavaScript, Java, PHP, SQL, C++, C
- Frameworks & Libraries:
  - Django (REST Framework), React, React Native, Bootstrap, Tailwind CSS
- Web & Mobile Development:
  - Web Applications, Mobile Application Platforms, Web Interactive Design, REST API Integration
- Databases:
  - PostgreSQL, MySQL, SQLite
- Tools & Environments:
  - VS Code, Android Studio, Thunder Client
- Version Control:
  - Git, GitHub
- Software Engineering Practices:
  - UML Design, Software Quality Assurance, Software Documentation Control, Requirements Gathering & Analysis, Code & Quality Standards, Data Structures & Algorithms

Soft Skills
- Analytical Thinking & Problem Solving, Communication, Time Management & Organization, Reliability, Training, Management.

Other Competencies
- Web Technologies, Information & Communication Technology (ICT),
- Software Development, Programming Fundamentals, Database Management

WORK EXPERIENCE

Software Engineer | Freelancer

Morogoro, Tanzania.

23/11/2023 – Current

PROJECT NAME: EARN APP/ PAYME

SUMMARY: A digital platform where users watch videos, submit reviews, and earn money for engagement. Tracks user activity and handles reward payouts.

ROLES: Developed full-stack, built backend APIs, implemented payment integration, and maintained database schema

TECHS: Django, React, PostgreSQL.

PROJECT NAME: INVENTORY, SALES, AND EXPENSES MANAGEMENT SYSTEM

SUMMARY: Manages medicine stock, sales, and expenses; tracks inventory and provides analytics for pharmacy owners.

ROLES: Backend and frontend development, database design, sales, and inventory tracking modules.

TECHS: Django, PostgreSQL.

PROJECT NAME: DIGITAL PLATFORM FOR SHARING TOOLS AND SKILLS

SUMMARY: A platform enabling users to share and rent tools or offer skills to others, promoting resource efficiency and community collaboration.

ROLES: Full-stack development, backend API creation, and frontend interface design.

TECHS: Django, React, PostgreSQL.

PROJECT NAME: CONTRIBUTION AND PLEDGE APP

SUMMARY: An app for tracking community contributions and pledges, providing transparency and accountability for donations.

ROLES: Full-stack development, backend API creation, and frontend interface design.

TECHS: Django, React, React Native, PostgreSQL.

PROJECT NAME: POULTRY, CONCRETE, AND LOGISTICS TRACKER APP

SUMMARY: Tracks operations and logistics in poultry farming, concrete production, and delivery management.

ROLES: Full-stack development, backend API creation, and frontend interface design.

TECHS: Django, React Native, PostgreSQL.

PROJECT NAME: DIGITAL PLATFORM FOR SHARING TOOLS AND SKILL

SUMMARY: A platform that enables the street chairman to notify residents to deposit their waste at designated dump sites and informs waste collectors when collection is ready, improving efficiency in community sanitation management.

ROLES: Full-Stack development, real-time notification system.

TECHS: Django, PostgreSQL.

Field Student | VLRIOUS - MZUMBE UNIVERSITY
Morogoro, Tanzania
8/2022 – 10/2022 | 7/2023 – 9/2023

- Provided technical assistance to the staff.

- Configured file sharing on the Windows server.

- Developed the field training management and tracking system

- Developed a mu-updates system that notifies students about university events.

- I participated in the training on preparing and creating an effective podcast.

REFEREES

Names: Lunodzo Justine Mwinuka
Position: lecturer
Organization: Mzumbe University
Phone: (+255) 765 268 371
Email: lumwinuka@mu.ac.tz

Names: Jasper Katunzi
Position: Software Engineer
Company: Web Corporation Limited
Phone: (+255) 656 631 106
Email: jasper@webcorporation.co.tz

Names: Solomon Mwalupani
Position: Backend Developer
Company: Rahisi Solutions Ltd.
Email: mwalupani1234@gmail.com