

# SHARIFU HAMISI MASUDI

## Full Stack Software Developer

**Email** sharifumasudi66@gmail.com

**Address** P.O.BOX 166, Morogoro - Tanzania.

**Phone** 0622183130



Experienced Full Stack Developer with a passion for creating efficient, scalable, and maintainable software solutions. Proficient in multiple programming languages and technologies, with a strong foundation in software development principles. Dedicated to continuous learning and staying updated with the latest industry trends.

### Work History

Mar 2024 - present

#### WordPress Developer

*SELL BUY CONNECT, Dar -es Salaam, Tanzania*

##### Activities:-

- Collaborated with cross-functional teams to gather requirements and design system architecture.
- Leveraged strong understanding of WordPress core to manipulate admin and theme components.
- Provided timely resolution to reported website problems by integrating new solutions into existing platforms.
- Collaborated with end users on project specifications, strategy and execution to build new WordPress pages and update existing ones.
- Referenced web analytics reporting to enhance designs and improve site performance.
- Designed and implemented website from initial concept, site architecture and wire frames to finished deliverable.
- Delivered quality commercial websites that met coding standards and cross-browser compatibilities.
- Implemented and assessed performance of SEO best practices.
- Installed required plugins and additional coding to fit final design and functionality requirements. Available <https://sellbuycon.com/>
- Reviewed application requirements and interface designs and provided feedback on feasibility.
- Conducted wireframe and content reviews with clients as part of iterative design process.

Aug 2023  
- Mar 2024

#### Mobile Application Developer

*BME FITNESS & CAR WASH CENTRE, Geita, Tanzania*

##### Activity:-

- Contributed significantly to the development of the BME Gym App, a cutting-edge fitness application aimed at enhancing the user experience for gym members
- Designed and implemented a modern and responsive user interface using Flutter, ensuring seamless navigation and optimal user engagement
- Developed interactive features, such as real-time workout tracking, personalized fitness plans, and achievement badges, to motivate and engage users
- Integrated third-party APIs for features like nutrition tracking and wearable device synchronization, enhancing the app's versatility
- Implemented responsive design principles to ensure a consistent experience across various devices, including desktops, tablets, and smartphones
- Conducted usability testing and gathered user feedback to iterate on the UI, resulting in a 100% increase in user satisfaction
- Utilized version control systems, such as Git, for efficient collaboration with the back-end development team and to track code changes
- Stayed abreast of emerging front-end technologies and best practices, implementing performance optimizations to enhance the app's speed and responsiveness
- Collaborated with the QA team to identify and resolve front-end issues, ensuring a smooth and bug-free

user experience.

◆ May 2023  
- Jan 2024

## Front End Developer

*Sokoine University of Agriculture, Morogoro, Tanzania*

- Designed and implemented user interfaces (components) for SUA-ESB student self-registration, seamlessly integrating with backend APIs for smooth data exchange
- Developed intuitive SUA-ESB user interfaces for student result management, including bulk uploading from Excel, Moodle integration, and individual result entry, all integrated with backend APIs
- Engineered user interfaces for SUA-ESB settings modules like Campus, Colleges, and Certificate types, Workflow, Country, Region, District e.t.c, ensuring comprehensive backend integration for efficient data management
- Created a user-friendly interface for NHIF registration within the SUA-ESB system, fully integrated with backend APIs for streamlined registration processes
- Crafted the SUA-ESB student temporary card feature for University examination, providing students with easy access to their temporary credentials
- Designed and implemented the user interface for displaying assigned instructor courses, with seamless backend API integration for accurate data retrieval.
- Developed a user interface for assigning instructor courses for semester teaching, simplifying the course management process.
- Designed a student registration form enabling students to download registration documents upon successful completion, with backend API integration for data retrieval
- Actively participated in troubleshooting SUA-ESB system issues and performed various tasks related to SUA-ESB as directed by the Project Manager.
- Contributed to team discussions among programmers during the development phase of the SUA-ESB web application, ensuring effective collaboration and problem-solving.
- Developed an API using CodeIgniter to facilitate the import of student applicants into SUA-ESB for self-registration.

◆ Nov 2021  
- Dec 2023

## Full Stack Developer

*Sokoine University of Agriculture, SUA, Morogoro, Tanzania*

- Developed Samaki Bora Mobile App for providing better training for fish farming available play store [https://play.google.com/store/apps/details?id= com.samakibora](https://play.google.com/store/apps/details?id=com.samakibora)
- Developed Samaki Bora admin panel for managing Samaki Bora Mobile App: <https://samakibora.co.tz/>
- Developed Ache project web application with the primary goal is to use the power of Machine Learning (ML) to aid in the prediction of outbreaks of waterborne diseases that are sensitive to climatic variations. Link <https://acheproject.or.tz/>
- Participated in the modification of SUASIS (Sokoine University of Agriculture Student Information System) Finance module.
- Developed SmartTB web-based application that can be used by both healthcare providers and TB patients in Tanzania. The SmartTB can register TB patients and monitor their medication adherence in monitoring medication, a healthcare provider can receive a normal SMS one day after when a patient misses clinics. Moreover, the patients may receive normal SMS three days before a clinic day. Furthermore, the SmartTB can generate medication and patients for decision making. Link: <https://smarttb.co.tz/>
- Developed a comprehensive management system for SUA Driving School, enabling efficient management of student applications for each academic year, handling payments, and managing student results.
- Developed SUA Driving School API for managing intergration with other systems.

◆ Sep 2023  
- Nov 2023

## Web Application Developer

*TAOTIC, Morogoro, Tanzania*

### Activities:-

- Collaborated with the project team to gather requirements and understand the scope of the AfriLabs Capacity Building Programme Virtual Meetup Grant Projects.
- Designed and implemented the web application architecture, ensuring scalability, security, and optimal performance.
- Developed responsive and user-friendly features that enhance the overall user experience of the virtual

- meetup platform
- Integrated third-party APIs and services to extend the functionality of the web application
- Conducted thorough testing, debugging, and troubleshooting to identify and resolve any issues.
- Implemented best practices in web development to ensure the application's sustainability and maintainability
- One notable achievement during this role was the successful launch and deployment of the web application, which can be accessed at <https://meetups.taotic.co.tz/>

◆ Jun 2023 - Oct 2023 **Full Stack Developer**

*Mr. Mgeni, Morogoro, Tanzania*

**Activities:-**

- Collaborated with cross-functional teams to gather requirements and design system architecture
- Implemented frontend and backend functionalities using modern web technologies
- Ensures scalability, performance, and security of the application
- Conducted testing and debugging to identify and resolve issues
- Provides technical support and training to team members
- Contributing to ongoing enhancements and feature development based on user feedback and market trends
- Link: <https://michango.co.tz>

◆ Jul 2022 - Sep 2022 **Regional IT Supervisor**

*National Bureau of Statistics, NBS, Mtwara, Tanzania*

**Report to: RCC Mtwara, Phone: 0769009348**

**Activities:**

- Trained Regional census supervisors in the Mtwara region on how to use Tablet and Tanzania census application for data collection.
- Supervised Regional census supervisors at the district level (Masasi) during training provision for district census clerks, census IT supervisors, and content supervisors
- Participated in troubleshooting the Census application (TZCENSUS2022) during data collection.
- Trained census clerks, census IT supervisors, and content supervisors on how to install the census application on a Tablet at the district level.
- Supervised the distribution of Tanzania Census tablets in Masasi District as an IT representative from NBS, providing instructions on the proper usage of tablets to achieve the intended goals
- Trained census clerks, census IT officer on how to receive updates for the Tanzania census application from NBS headquarters.
- Configured Tablet's APN to access the NBS server to submit data collected during the Census to the NBS servers.
- Participated in supervising data collection during the census, offering IT technical assistance as needed
- Worked in collaboration with personnel from headquarters and other districts in Mtwara to ensure the successful implementation of the 2022 Census.

◆ **Education**

◆ Nov 2018  
- Nov 2021

**Informatics, Bachelor of Science**

*Sokoine University of Agriculture (SUA), Morogoro, Tanzania*

GPA: 3.9

◆ Jul 2016 - May 2018 **Advanced Certificate of Secondary Education Examination (ACSEE)**

*Lindi Secondary School, Lindi, Tanzania*

◆ Jan 2012 - Nov 2015 **Ordinary level secondary education, CSEE**

*Michiga Secondary School, Mtwara, Tanzania*



## Skills

◆ HTML	★★★★★
◆ CSS	★★★★★
◆ Bootstrap	★★★★★
◆ JQuery	★★★★★
◆ JavaScript	★★★★★
◆ React js	★★★★★
◆ React Native	★★★★★
◆ Apollo client	★★★★★
◆ Next.js	★★★★★
◆ PHP	★★★★★
◆ Laravel	★★★★★
◆ Livewire	★★★★★
◆ CodeIgniter	★★★★★
◆ Java	★★★★★
◆ Spring Boot	★★★★★
◆ SQL	★★★★★
◆ MySQL	★★★★★
◆ PostgreSQL	★★★★★
◆ GraphQL	★★★★★
◆ Web Hosting	★★★★★
◆ Git/GitHub	★★★★★
◆ Skilled in Apache	★★★★★
◆ Python	★★★★★
◆ FastAPI	★★★★★
◆ Django	★★★★☆
◆ Dart	★★★★★
◆ Flutter	★★★★★
◆ WordPress	★★★★★
◆ Docker	★★★★★
◆ Axios	★★★★★
◆ SEO practices	★★★★★
◆ FTP servers knowledge	★★★★★
◆ UNIX platform	★★★★★
◆ Problem solving skills	★★★★★
◆ Teamwork and contribution	★★★★★
◆ Project management	★★★★★



## Languages

- ◆ English
- ◆ Swahili



## Hobby/Interest

- Coding Projects.
- Tech Meetups and Conferences.
- Blogging or Writing.
- Design and UX/UI.
- Reading and Learning.
- Volunteering.



## References

◆ **Dr. Kadege G Fue. +255 628 021 065**

*Lecturer and ICT Researcher, Sokoine University of Agriculture*

◆ **Ms. Joan Jonathan. +255 763 630 054**

*Assistant Lecturer and ICT Researcher Department of Informatics and Information Technology, Sokoine University of Agriculture*

◆ **Dr. Alcardo Alex Barakabitze. +255 743 968 543**

*Lecturer and ICT Researcher Department of Informatics and Information Technology, Sokoine University of Agriculture*