

Michelo Mazuba Justus

The Modern Day Developer

Having recently completed my final examinations for a Bachelor of Information and Communication Technology with Education at Chalimbana University, I am poised to embark on a career in software development. My academic coursework has covered critical areas such as Web Application Development, Database Management, and Information Security, showcasing strong performance and a solid technical foundation. My practical experience includes hands-on projects and school practicums that have sharpened my skills in developing and implementing software solutions. As I await my final results, I am enthusiastic about leveraging my knowledge and experience to contribute to innovative software development projects and drive technological advancements.



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Education

Chalimbana University

Information and Communication Technology with Education
2021 - 2024

Completed coursework in Web Application Development, Database Management, Information Security, and Advanced Electronics & Microcontrollers. Achieved strong performance across various subjects and engaged in practical projects and school practicums.

<https://chau.ac.zm>

Top Experience

Innovative Dynamics Ltd Zambia

Junior Software Developer
January - April 2024 - Lusaka

Contributed to software development projects focusing on ERP system integrations and IT infrastructure monitoring. Gained hands-on experience with tools such as NetData and CheckMK, working closely with a team to improve software functionality and operational efficiency.

<https://innovativedynamicsltd.com>

Chalimbana University ICTAZ Student Chapter

President
March 2022 - July 2024 - Chongwe, Lusaka

Led the CHAU-ICTAZ Student Chapter, overseeing the planning and execution of events, workshops, and competitions to enhance ICT awareness and engagement among students. Fostered a collaborative environment and drove initiatives that supported educational and professional development in the ICT field.

Languages

English



Tonga



Bemba



Nyanja



Lozi



Interests

Chess

Enjoyment of chess as a strategic and intellectual challenge.

Leadership and Community Engagement

Committed to leadership roles and organizing events to promote ICT awareness and development.

Photography

Passionate about capturing visual stories and enhancing skills in photography.

Technology and Innovation

Enthusiastic about advancing technology through software development, web applications, and leadership roles in ICT.

Graphic Design

Skilled in creating and editing visual content using graphic design software.

Experience

Pyramid Institute of Science and Technology

Tutor - Graphic Designing

Lusaka

Dec 2020 - Mar 2021

Taught graphic design courses, guiding students in the creation of logos, flyers, and posters using software such as Affinity Designer, Affinity Photo, and Adobe Creative Suite products including Photoshop and Illustrator. Provided personalised feedback and support to enhance students' creativity and proficiency in graphic design tools.

Chalimbana University ICTAZ Student Chapter

Interim President

Chongwe District, Lusaka

Sep 2021 - Mar 2022

Founded and led the CHAU-ICTAZ Student Chapter, establishing the organization's operations and coordinating its initial activities. Played a key role in setting up the chapter's structure, fostering a collaborative environment, and initiating projects to promote ICT awareness and engagement among students.

<https://chau.ac.zm>

African Vision of Hope Chongwe School

Teacher (Teaching Practice)

Chongwe

Jan 2023 - Apr 2023

Completed teaching practice at African Vision of Hope Chongwe School, where I taught Computer Studies and Mathematics across all grades (8 - 12). Demonstrated quick learning and effective teaching skills, incorporating E-learning tools such as Padlet, Socrative, Kahoot, Google Classroom, and Mentimeter to enhance the learning experience. The school's choir, which I supported, won the district singing contest and represented Chongwe District at the regional level in Luangwa District.

<https://africanvisionofhope.org>

Greentech Sustainable Engineering Solutions Limited

Web Developer: Oct 2022 - Apr 2024

Lusaka

Developed and maintained web applications for a sustainability-focused company. Implemented features, resolved bugs, and collaborated with cross-functional teams to enhance the user experience and ensure optimal performance of web-based solutions.

<https://gtsengineeringzm.net>

Skills

Programming Languages

Proficient in Python for developing software applications, scripting, and automating tasks. Experienced in Java for building robust, scalable applications, and C++ for systems programming and performance-critical tasks. Competent in PHP for server-side scripting and web development. Knowledgeable in Dart (Flutter) for creating cross-platform mobile applications and skilled in Bash Scripting for automating system tasks and managing Unix-based systems.



Embedded Systems

Experienced in designing and working with embedded systems for various applications, including hardware and software integration.



Operating Systems: Linux

Skilled in using and managing Linux-based systems for development and server administration.



Information Security

Knowledgeable in practices and tools for protecting information and systems from cyber threats.



Web Hosting, Email Hosting, and Domain Registration

Experienced in setting up and managing web hosting environments with Hostinger for deploying and maintaining websites, configuring and managing email hosting services to ensure reliable communication, and registering and managing domain names for web projects and online presence.



Graphic Designing

Proficient in using graphic design software, including Affinity Designer, Affinity Photo, and Adobe Creative Suite (Photoshop, Illustrator), to create and edit visual content such as logos, flyers, and posters. Experienced in producing high-quality designs that effectively communicate ideas and messages.



AutoCAD and SketchUp

Experienced in using AutoCAD for creating detailed technical drawings and designs, and proficient in using SketchUp for 3D modeling and visualizing architectural and design projects.



Projects

Spaces (Final Year Project)

July 2024

A hybrid web application combining features of WhatsApp and Slack, utilizing tags for group messaging and communication. Focuses on controlling group communications and avoiding multiple group creations within institutions.

OCR Image-to-Text and Translation System

August 2024

A project involving developing a translation system for Zambian local languages into English using OCR and text input. The system aims to handle both images and text, with plans to recreate it as a web application using Django.

Online Teacher Recruitment System

December 2022

A system designed to streamline the recruitment process for teachers, featuring functionalities for managing applications, scheduling interviews, and tracking candidate progress.

Smart Irrigation System

April 2023

A project that won at the 14th AGM, focusing on optimizing irrigation processes using smart technology. The system integrates sensors and automated controls to improve water usage efficiency in agriculture.

Sign Language System

May 2024

Presented at the 15th AGM, this system focuses on translating and interpreting sign language, enhancing communication accessibility for the hearing impaired.

Website Development for Association

July 2023

Developed a website for your association to enhance its online presence, provide information, and facilitate communication with members and stakeholders. The site includes features such as event updates, member resources, and contact information.

References

Dr. Sinyangwe C (PhD)

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