

Tapiwa Motsi

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Overview

Tapiwa Motsi, a young man very passionate about everything Information technology and Information Security whose passion lies in creating secure web applications, system/Network administration, cloud computing, cybersecurity, dev-ops

Education

Harare Institute of Technology / Information Security and Assurance

August 2020 - May 2024, Harare

My BSc in Information Security and Assurance (ISA) has equipped me with a strong foundation in risk management, control evaluation, and compliance assessment, which are essential for an internal auditor. This program emphasized core security principles, including:

Confidentiality: Ensuring information is accessible only to authorized users.

Integrity: Maintaining the accuracy and completeness of information.

Availability: Guaranteeing timely access to information for authorized users.

Key Areas of Expertise:

Network Security: Protecting networks from unauthorized access.

Risk Management: Identifying and mitigating security risks.

Incident Response: Investigating and responding to cyberattacks.

Information Security Law: Understanding legal and ethical implications.

Software Development: Secure coding practices and secure application testing.

System Administration: System hardening, patch management, and security monitoring.

IT Auditing: Understanding security regulations, conducting risk assessments, and evaluating security controls.

IT Support: Incident response procedures and user education on security best practices.

Experience

Ministry of Local Government / IT intern

August 2022 - July 2023, Harare

Technical Support

Provide technical support to ministry staff, troubleshooting hardware and software issues, resolving network connectivity problems, and addressing user queries promptly and efficiently.

Install, configure, and maintain computer hardware and software systems, ensuring compatibility and optimal performance across the ministry's IT infrastructure.

Monitor system performance, identify potential issues, and implement preventive measures to minimize downtime and ensure seamless operations.

Document all IT-related procedures and guidelines, providing clear instructions for staff members to resolve basic technical issues independently.

Conduct training sessions for ministry staff to enhance their IT literacy and empower them to utilize technology effectively for their daily tasks.

Additional Responsibilities

Maintain accurate records of all IT assets, including hardware, software, and licenses, ensuring compliance with inventory management protocols.

Implement and enforce IT security policies and procedures to protect the ministry's data and infrastructure from unauthorized access, malware, and cyber threats.

Skills

Soft Skills

Communication

Problem-solving

Teamwork and collaboration

Adaptability and continuous learning

Time management and organization

Technical Skills

Languages [Python, C/C++, C#, php, Javascript]

Web Development [VueJs, NuxtJs, Angular, MySql, NodeJs, Laravel,ExpressJS]

Containerization [Docker]

Operating System [Windows, Ubuntu, KaliLinux]

Certification

A Practical Introduction to Cloud Computing [EC Council]

This course provides an introduction to cloud computing concepts, including cloud deployment models, service models, security considerations, and cloud migration strategies.

Digital Forensics Essentials [EC Council]

This course covers the fundamentals of digital forensics, including evidence collection, preservation, analysis, and reporting.

Ethical Hacking Essentials [EC Council]

This course introduces the concepts of ethical hacking and penetration testing. You will learn about different hacking methodologies and tools used by ethical hackers to identify vulnerabilities in computer systems.

Network Defense Essentials [EC Council]

This course provides an introduction to network security concepts, including firewalls, intrusion detection and prevention systems, and secure network design.

SQL injection attacks [EC Council]

SQL injection is a type of cyberattack that targets a computer system's database. Attackers can use SQL injection to steal data, modify data, or even delete data.

Top Projects

Online Request and Procurement / August 2023 - March 2024

Final Year Project: This project aims to develop a web-based application that streamlines the procurement process for organizations. The system will enable employees to submit purchase requests electronically, managers to approve or reject requests, and procurement specialists to manage the entire procurement process from requisition to purchase order.

Music Social Media App / February 2023 - April 2023

Personal Project : Basic social media app that allows people to share music, videos and posts around the world

HIT Clinic System / August 2021 - May 2022

Second Year Project: The HIT Clinic Patients Records System is a secure and efficient software designed to streamline workflows, enhance care delivery, and empower patients. It features electronic records, online appointments, telemedicine, and a patient portal. This data-driven approach improves clinical decision-making, boosts patient engagement, and elevates the quality of care at HIT Clinic

HIT Quiz App / January 2021 - April 2024

First Year Project: Developed and implemented a robust quiz application enabling tutors to create questions with multiple correct answer options, facilitating efficient assessment and streamlined grading processes, resulting in enhanced student engagement and improved academic performance.