

Shawn Mutogo

IT Specialist | Python & .NET Developer | Cybersecurity Enthusiast

Contact

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- **Portfolio:** <https://shawn-mutogo-portfolio.netlify.app/>
- **Location:** Harare, Zimbabwe

About Me

A driven IT specialist with a strong foundation in Computer Information and Systems. I build efficient, secure, and scalable applications leveraging expertise in Python, .NET, and DevOps tools. Passionate about developing AI-driven solutions and enhancing cybersecurity postures. My academic background includes a Level 5 Diploma in Professional Computing and Information Systems (ABMA) and a Certificate in Computer Operating and Packages, complemented by an Introduction to Certified Information Security Manager (CISM) certification.

Skills

Programming & Frameworks:

- Python (Flask, FastAPI, Streamlit)
- C# / .NET Core
- Flutter (Dart)

DevOps & Cloud:

- Jenkins / GitHub Actions (CI/CD)
- Docker & Kubernetes
- AWS & Azure
- Terraform (Infrastructure as Code)

Cybersecurity & Networking:

- Nmap & Scapy
- Network Automation (Netmiko)

Other Tools & Concepts:

- AI/ML (ChatterBot)
- Database Systems
- Software Development Principles
- Information Systems Analysis and Design
- Web Applications Development
- E-Commerce Strategy
- Information Presentation and Analysis
- Web Technologies

Projects

- **Mobile Enterprise App (Flutter):** Developed a robust mobile application for enterprise use, showcasing proficiency in Flutter.
- **Cybersecurity Scanner (Python + Nmap):** Engineered a security scanning tool using Python integrated with Nmap for vulnerability assessment.
- **ITSM Ticketing System (Flask):** Built a comprehensive IT Service Management ticketing system using the Flask framework.
- **AI Chatbot (ChatterBot):** Created an intelligent chatbot utilizing the ChatterBot library, demonstrating AI application skills.
- **CI/CD Pipeline (Jenkins):** Implemented continuous integration and continuous deployment pipelines with Jenkins for automated software delivery.
- **Cloud Automation (Terraform):** Automated cloud infrastructure provisioning and management using Terraform.
- **Data Dashboard (Streamlit):** Developed interactive data dashboards with Streamlit for effective data visualization and analysis.
- **Network Automation (Netmiko):** Scripted and automated network device configurations and data gathering tasks using Python's Netmiko library.
- **REST API (FastAPI):** Designed and developed efficient RESTful APIs using FastAPI for various applications.

- **Network Scanner (Scapy):** Created a network scanner leveraging Scapy for in-depth network analysis and packet manipulation.

Blog Posts (Selected)

- **Getting Started with Terraform for AWS:** An introductory guide to provisioning AWS resources with Terraform and best practices for infrastructure as code.
- **Building Secure Chatbots:** Key security considerations when creating chatbots, covering aspects from input validation to authentication flows.
- **Automating Network Tasks:** Detailed explanation of scripting network device configurations and data gathering using Python's Netmiko library.
- **Deploying Streamlit Dashboards:** A step-by-step guide to deploying interactive data dashboards built with Streamlit to Heroku.

Education & Certifications

- **Level 5 Diploma in Professional Computing and Information Systems**
 - ABMA Education
 - *Specializations:* Database Systems, Software Development, Information Systems Analysis and Design, Web Applications Development, E-Commerce Strategy
- **Level 4 Diploma in Professional Computing and Information Systems**
 - ABMA Education
 - *Specializations:* Information Systems, Computer Programming, Information Systems Analysis and Design, Information Presentation and Analysis, Web Technologies
- **Certificate: Introduction to Certified Information Security Manager (CISM)**
 - Alison
- **Certificate in Computer Operating and Packages**



Level 4 Diploma in

Professional Computing and Information Systems

is awarded with Pass to

SHAWN MUTOGO

having satisfied the requirements of ABMA Education in:

Information Systems
Computer Programming
Information Systems Analysis and Design
Information Presentation and Analysis
Web Technologies

Issue Date: September 25, 2024

Award ID: 50810

Student Number: ZW30944554

Chief Executive





Level 5 Diploma in

Professional Computing and Information Systems

is awarded with Pass to

SHAWN MUTOGO

having satisfied the requirements of ABMA Education in:

Database Systems
Software Development
Information Systems Analysis and Design
Web Applications Development
E-Commerce Strategy

Issue Date: May 26, 2025

Award ID: 56306

Student Number: ZW30944554

Chief Executive





CERTIFICATE

SHAWN MUTOGO

has received this award for successfully
completing the course:

**Introduction to Certified Information
Security Manager (CISM)**



To verify:



27th December, 2024

Date of Award

6999-45021740

<https://alison.com/certification/check/87a2d17041>

Maere Richardson

Director of Certification