Madalitso Newton Kalulu

Computer Systems & Security Student | Assistant Development Lead | Aspiring Ethical Hacker | Web Developer – Front end

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👤 Profile Summary

Motivated and detail-oriented Computer Systems and Security student with a strong foundation in programming, web development, and cybersecurity principles. Experienced in building secure web systems, technical documentation, and leading development tasks as an Assistant Development Lead. Passionate about ethical hacking, system security, and applying logical, worst-case reasoning to solve complex technical problems. Adept at learning through hands-on projects and committed to ethical and responsible use of technology.

🎓 Education

Bachelor of Science in Computer Systems and Security
Malawi University of Science and Technology (MUST)
Status: Second-year student

Relevant Coursework:

- Computer Systems Architecture
- Programming (C & C++)
- Web Technologies
- Databases and SQL
- Networking Fundamentals
- Information Security Basics
- Discrete Mathematics & Logic

Short online courses

- Responsive Web Design - freeCodeCamp
- SEO Certification - Simplilearn
- Figma UI/UX Design - Udemy
- Computer Engineering - ABMA

Experience

1. Web Developer at Agape Secondary School

Project Based Role

- System design decisions with a focus on security and scalability
- Reviewed code for functionality, structure, and basic security flaws
- Carried out project planning, feature breakdown, and implementation tracking
- Implemented plans and goals

Technical Skills

Programming Languages

- C++ (basics, functions, arrays, loops, conditionals, pointers & references – beginner to intermediate)
- PHP (backend logic, form handling, authentication basics)
- SQL (queries, data manipulation, database design fundamentals)
- JavaScript (DOM manipulation, basic interactivity)

Web Development

- HTML5 (semantic markup, technical documentation pages)
- CSS3 (responsive design, Tailwind CSS)
- Basic UX/UI principles
- Dynamic websites with login and admin features

Databases & Backend

- Supabase (database setup, authentication, metadata storage)
- Relational database concepts
- MySQL

Projects

Bangle Bliss Website

- Created the ecommerce website to allow users to order Bangles
- Focused on User Experience and User interface
- www.bangle-bliss.vercel.app

Newtons Fresh Poultry

- Created the ecommerce website to allow users to order chickens and parts
- Focused on User experience and User interface

- www.newtons-broilers.vercel.app

Secure Password Manager

- Created a secure password manager
- Stores and manages passwords on the local machine
- www.securevault-sigma.vercel.app

Personal Portfolio Website

- Designed and built a personal portfolio using HTML and CSS
- Emphasized clean UI, responsiveness, and clarity
- www.newtonkalulu.vercel.app

Certifications & Learning

- Actively pursuing free certificates in cybersecurity and networking
- Self-learning ethical hacking aligned with university curriculum
- Continuous practice through hands-on labs, projects, and CTF-style challenges

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Additional Experience
Church Music Ministry

- Plays rhythmic music in a church setting
- Demonstrates teamwork, discipline, and consistency

Strengths

- Strong analytical and logical thinking
- Fast learner with a hands-on approach
- Security-conscious mindset
- Clear technical documentation and explanations
- Ethical and responsible technology use

Interests

- Ethical Hacking & Cybersecurity
- System Security & Hardening

- Programming & Problem Solving
- Learning through real-world case studies
- Technology for community and organizational impact

References

Available upon request