

JESSE THURANIRA

Education and ICT Professional

Classroom Management | Curriculum Development | Behavioral Management Techniques | Educational Technology Integration | Digital Literacy Training | Lesson Planning & Execution | ICT Hardware & Software Troubleshooting | Data Entry & Management | Educational Content Development | Microsoft Office Suite Proficiency | E-Learning Platform Navigation | Report Writing & Documentation | Customer Service in Educational Settings | Administrative Support Functions | Confidentiality & Data Security Compliance

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PROFESSIONAL PROFILE

An experienced education and ICT professional with a background in teaching, digital literacy, and customer service across Kenya's education sector. Proficient in delivering impactful learning experiences, managing diverse classrooms, and implementing ICT solutions that enhance digital literacy among students and educators. Demonstrates a commitment to supporting organizational objectives through effective behavior management, creative problem-solving, and efficient multitasking. Skilled in fostering positive learning environments, supporting administrative functions, and maintaining high standards of confidentiality and professionalism. Eager to bring strong educational insights, technological proficiency, and a customer-oriented approach to a role that promotes growth and excellence in educational or administrative settings.

Career Strengths

- ✓ **Communication Skills:** Conveys educational content and ICT guidance to students, parents, and staff, ensuring understanding and alignment in both classroom and administrative settings.
- ✓ **Leadership Skills:** Enhances learning environments and educational programs, inspiring student engagement and supporting a productive, student-centered atmosphere.
- ✓ **Adaptability and Flexibility:** Adjusts teaching and support approaches to meet diverse student needs and evolving educational requirements in dynamic environments.
- ✓ **Innovation & Problem-Solving:** Applies strategic thinking and creativity to develop engaging educational activities, resolve student challenges, and improve ICT integration in learning processes.
- ✓ **Collaboration and Teamwork:** Contributes to a supportive, high-performing educational team by working collaboratively with colleagues and participating in school initiatives.
- ✓ **Interpersonal Skills:** Builds and maintains respectful, trust-based relationships with students, colleagues, and parents, fostering an inclusive and positive learning culture.

PROFESSIONAL EXPERIENCE

Cybersecurity Technician | January 2024 – Present

Crystal Technologies Ltd

Key Contributions:

- ✓ Conducted risk assessments to identify vulnerabilities and potential threats, developing mitigation strategies.
- ✓ Monitored network activity and implemented firewalls, encryption, and IDS for robust network security.
- ✓ Managed VPN configurations and ensured secure communication across company systems.
- ✓ Developed and maintained incident response procedures; investigated breaches and coordinated containment efforts.
- ✓ Ensured compliance with industry regulations (e.g., GDPR, HIPAA) through regular security audits and assessments.
- ✓ Implemented encryption protocols for data protection and managed secure backup and recovery processes.
- ✓ Monitored emerging threats and utilized threat intelligence tools to detect and respond to intrusions.
- ✓ Led security awareness training sessions for employees, promoting best practices in cybersecurity.

- ✓ Regularly updated and patched systems, following security best practices for system hardening.
- ✓ Collaborated with IT teams and management to enhance overall security posture.
- ✓ Conducted penetration testing and ethical hacking to identify vulnerabilities and recommend improvements.

Teacher | Oct 2022 – December 2023

ACK St. Andrew's Boys High School

Key Contributions:

- ✓ Delivered comprehensive English/Literature and Computer Studies curriculum, enhancing student engagement and proficiency in language and technology.
- ✓ Engineered educational programs that fostered physical, social, and intellectual growth, leading to measurable improvements in student development.
- ✓ Facilitated career guidance sessions, boosting student motivation and clarifying academic pathways.
- ✓ Strengthened parent-student-teacher communication through consistent progress updates, fostering a collaborative learning environment.
- ✓ Optimized classroom discipline and structure, creating a safe, orderly, and conducive learning atmosphere.
- ✓ Implemented health and discipline initiatives, instilling lifelong habits and reinforcing student accountability.
- ✓ Spearheaded curriculum design to align with educational standards, enhancing lesson impact and student comprehension.
- ✓ Collaborated with staff to support daily teaching activities, contributing to an efficient, cohesive instructional team.
- ✓ Mentored students in creative exploration, resulting in enhanced problem-solving skills and self-confidence.

ICT Intern | Oct 2021 – Sep 2022

Ministry of Education - Digital Literacy Programme

Key Contributions:

- ✓ Orchestrated e-learning content aligned with educational objectives, enhancing digital literacy and resource accessibility.
- ✓ Delivered real-time ICT support and training to educators, increasing digital proficiency and ease of technology adoption.
- ✓ Championed Digital Literacy Programme implementation, transforming classroom environments through technology integration.
- ✓ Innovated digital tools to enhance interactivity and foster a tech-enabled learning experience.
- ✓ Enforced digital safety protocols, ensuring ethical and secure technology use across student and staff interactions.
- ✓ Integrated ICT into pedagogy, streamlining workflows and boosting student engagement through digital platforms.
- ✓ Supported development of ICT policies and procedures, reinforcing structured and effective technology practices.
- ✓ Administered first-line support and maintenance of ICT systems, minimizing downtime and ensuring operational continuity.
- ✓ Managed administrative tasks, including data analysis and filing, enhancing office efficiency for the County Director of Education.

Teacher | Mar 2021 – Sep 2021

Windle International Kenya - Kalobeyi Settlement Secondary School

Key Contributions:

- ✓ Structured and delivered tailored English and Literature lessons, meeting diverse learning needs and raising academic standards.
- ✓ Instilled high-performance learning values, aligning student development with school ethos and academic excellence.

- ☑ Cultivated a stimulating classroom environment, promoting active participation and positive learning outcomes.
- ☑ Inspired students to reach academic potential through passionate English and Literature instruction, increasing subject enthusiasm.
- ☑ Upheld and reinforced high behavior and organizational standards, positively influencing student conduct and performance.
- ☑ Advanced English language proficiency as a core communication skill, strengthening students' academic and social competencies.
- ☑ Evaluated and monitored student progress systematically, tailoring interventions to maximize individual academic success.
- ☑ Guided students in career exploration, empowering them to set achievable, aspirational goals.
- ☑ Delivered psychosocial support through counseling, addressing student needs and enhancing emotional resilience.

Cyber Attendant | Oct 2019 – Sep 2020

Tikys Investment Ltd

Key Contributions:

- ☑ Diagnosed and resolved complex IT issues across a broad client base, ensuring seamless user experience and service delivery.
- ☑ Delivered technical support for varied devices, optimizing PC, laptop, and mobile functionality for diverse user requirements.
- ☑ Installed and maintained telecommunications systems, bolstering infrastructure reliability and operational efficiency.
- ☑ Documented and logged all detected issues and backups, strengthening the IT support system's resilience.
- ☑ Liaised with software vendors to resolve operational challenges, ensuring smooth software performance.
- ☑ Supported multiple operating systems, including Windows XP/Vista/Windows 7, ensuring compatibility and functionality across platforms.

EDUCATION

BSc in Cybersecurity and Digital Forensics | September 2024 - Present

Open University of Kenya

Bachelor of Education Arts with IT | 2015 - 2019

Maseno University

Kenya Certificate of Secondary Education | 2011 - 2014

Ngeru Boys High School

Training/Certificates

Cybersecurity Fundamentals - Acronis Academy

Cloud Tech Professional, Microsoft 365 - Acronis Academy

Cloud Tech Professional, Advanced Security - Acronis Academy

Fortinet Certified Associate in Cybersecurity - Fortinet

Fortinet Certified Fundamentals in Cybersecurity - Fortinet

Quantum Core, Technical Specialist - Check Point Software Technologies Limited

Virtual Site Designer - Axis

Virtual Intrusion Prevention - Axis

Mentorship and Career Guidance - Centre for Mathematics, Science and Technology Education in Africa

Learner-Centred Pedagogies - Centre for Mathematics, Science and Technology Education in Africa

Communities of Practice - Centre for Mathematics, Science and Technology Education in Africa

Career Guidance - Association for Aid and Relief (AAR JAPAN)

Safeguarding Essentials - Humanitarian Leadership Academy (KAYA)

Psychological First Aid - Humanitarian Leadership Academy (KAYA)

LANGUAGES

☒ English -Proficient

☒ Swahili- Native

REFERENCES

Mr. Francis Karanja

Head of ICT-Ministry of Education

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Titus Mbatha

Former Director of Education – Marsabit County

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Mumasi Wanyama

County Quality Assurance Officer – Marsabit County

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