

SHEM OKUMA

ICT Officer

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github.com/shemokuma

Professional Summary

Motivated and detail-oriented ICT Professional with a strong background in software development, networking, cybersecurity, and hardware maintenance. Skilled in full-stack web development, Linux systems, and network administration, with hands-on experience in both public and private sector ICT environments. Dedicated to delivering efficient, secure, and innovative technology solutions that drive organizational performance.

Education

Bachelor of Science in Information Communication and Technology (Second Class Upper Division), Laikipia University, 2022

Professional Training & Certifications

- Linux Essentials – Cisco Networking Academy
- Web Development (Frontend & Backend)
- Programming (Python)
- Computer Networks – Cisco & Huawei
- Cybersecurity Essentials – Cisco Networking Academy
- Computer Hardware & System Maintenance

Professional Experience

ICT Intern – Judiciary (Siaya Law Courts), ICT Authority of Kenya (Dec 2023 – Nov 2024)

- Installed and configured hardware systems and software updates.
- Provided technical support to users across departments.
- Configured and supported Fortigate VPN for secure connectivity.
- Managed printer maintenance and repairs.
- Ensured LAN and wireless security through proper configuration.
- Assisted in setting up Virtual Courts and upgrading court networks in Bondo and Ukwala.
- Supported e-Filing and Case Tracking Systems.

Solar Energy Technician – Imexolution Limited (Apr 2022 – Nov 2023)

- Installed and maintained solar energy systems for Chandaria Industries, Junction Mall, and Tononoka Group Embakasi.
- Installed solar panels, cabling, and control systems.
- Installed and configured weather monitoring stations.
- Interpreted project blueprints to ensure compliance with technical standards.

ICT Officer Intern – Kenyatta National Hospital (KNH) (Dec 2021 – Feb 2022)

- Installed and configured computer hardware and operating systems.
- Provided technical support for hardware, software, and network issues.
- Supported wired and wireless network configurations.
- Handled printer maintenance and repairs.
- Participated in system upgrades to improve operational efficiency.

Technical Projects & Achievements

- Smart Attendance System – Developed a Django-based attendance system. (GitHub: github.com/shemokuma/smart_attendance)
- Sales & Inventory Management System – Built using PHP.
- Kenyatta National Hospital Website – Designed and deployed using CodeIgniter.
- Network Infrastructure Projects – Supported ICT network upgrades at Judiciary (Siaya, Bondo, Ukwala Law Courts).

Technical Skills

- Programming: Python, PHP, JavaScript
- Web Development: Django, CodeIgniter, HTML5, CSS3, Bootstrap
- Databases: MySQL, PostgreSQL
- Networking: Cisco Routers & Switches, LAN/WAN, VPN (Fortigate)
- Operating Systems: Linux (Ubuntu, CentOS), Windows Server
- Tools: Git, VS Code, Wireshark, VirtualBox
- Other: System Maintenance, Troubleshooting, Cybersecurity Basics

Referees

Alban Enoka	ICT Officer, Judiciary (Siaya Law Courts)	alban.enoka@court.go.ke	0727918713
George Milla Omondi	Imexolution Limited	millakomondi@gmail.com	0718967881
Erick Masinde	ICT Officer, Kenyatta National Hospital	emasinde@knh.or.ke	0703599351