AUGUSTINE A. LARTEY

IT Network & Security Administrator | Backend Developer

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TECHNICAL PROFILE

Infrastructure & Security Specialist with demonstrated expertise in:

- Network Architecture: VLAN/VPN, HAProxy load balancing, IDS/IPS systems

- Linux Systems: Debian/Ubuntu administration, SELinux hardening, kernel optimization

- Containerization: Docker Swarm, custom NGINX reverse proxies, XCP-ng virtualization

- Security Compliance: ISO 27001 standards, LDAP authentication, JWT encryption

Certified in Lean Six Sigma (White Belt) with hands-on experience optimizing systems for financial sector compliance.

PROFESSIONAL EXPERIENCE

National Service Personnel Systems Division

Ghana-India Kofi Annan Centre of Excellence in ICT (AITI-KACE) | Oct 2024Present

- Played key roles in multiple infrastructure and support initiatives

- Designed and deployed a high-availability NextCloud setup using Docker with load balancing via NGINX and integrated OnlyOffice

- Migrated data and user systems from a legacy email server to a new Dovecot/Postfix system with LDAP authentication and encryption

- Upgraded a legacy Debian-based OS (Nyansapo) with kernel/security enhancements

- Set up XCP-ng for virtualization to optimize usage of available hardware

- Implemented firewall security policies and helped test/procure IT equipment to meet industry standards

- Set up learning systems using Moodle and provided network/device support and diagnostics

IT Systems Administrator Head of IT

Office Exchange and Technical Solutions (Startup) | Sept 2023Oct 2024

- Led technical operations as one of three IT staff, contributing deeply to the startups growth

- Migrated from Google Workspace to a secure LDAP-synced system with MFA

- Deployed VLAN-segmented LANs and maintained Linux-based servers

- Customized and deployed Odoo ERP modules and Docker-based solutions for development

- Provided hardware repair, software configuration, and end-user support

TECHNICAL PROJECTS

Group Projects

- Developed backend of a smart currency conversion system with API integration

- Set up a Docker server environment for testing and CI/CD for DataMasterOS

Personal Projects

- NextCloud Docker Optimization: Integrated OnlyOffice, tuned NGINX reverse proxy with security/caching enhancements

- UFree: Built a freelance job-matching backend system with OAuth 2.0 and REST APIs

CERTIFICATIONS & EDUCATION

BSc. IT Management University of Professional Studies, Accra (2024)

Lean Six Sigma White Belt CSSC (2024)

ALX Software Engineering Backend Specialization (2023)

CORE COMPETENCIES

Networking: VLAN, VPN, BGP, QoS, HAProxy, XCP-ng

Security: Firewall, IDS/IPS, ISO 27001, LDAP, JWT, fail2ban

Development: Python, REST APIs, Bash, Docker, NGINX, MariaDB

CAREER OBJECTIVE

To contribute to MFSAs secure and efficient technology environment by leveraging proactive threat prevention, regulatory compliance strategies, and continuous modernization of network infrastructure and systems.

Most of my technical expertise is self-taught or acquired through hands-on observation and

experience.