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SAMUEL WAFULA BARASA (MSc., BSc.) Data Communication/Computer Science

PROFESSIONAL PROFILE

Competent IT professional with comprehensive technical skillset and expertise in Networking (Cisco Certified), System administration, System/Network security, systems modelling, project management, vendor and customer care relationships adhered towards upholding the normal standards of honesty and integrity. I m a proficient problem-solver who envisions industrial-based and technical perspectives to develop workable solutions. Perform effectively both in individual and group projects by delivering good quality robust deliverables to deadline.

CAREER OBJECTIVE

To serve in a progressive institution/organization offering job satisfaction and challenging working environment with vast opportunities for career development based purely upon achievement and results with the aim of advancing my professional career in teaching, research and innovation.

EDUCATION

Masters of Science in Data Communications, KCA University, Kenya, 2013
Bachelor of Science in Computer Science, Masinde Muliro University of Science & Technology (MMUST), Kenya, 2008
Graduated with Second Class Upper Division (Honors)
Ordinary-Level, Bungoma High School, Kenya, 2001
Primary Level, Mabanga Primary School, 1997

CERTIFICATIONS & TRAINING

Cisco Academy CCNA 1 & 2 Instructors Training, AFRALTI, Kenya, Jan 2012.
Cisco Academy IT Essentials Instructors Training, AFRALTI, Kenya, Jan 2012.
CCNA (Cisco Certified Network Associate) Certification (examined and passed), Computer Pride Ltd, Kenya, Nov 2008.
CCNA (Cisco Certified Network Associate) Training, Smart Learning Centre, Kenya, Aug-Sept 2008
Research Training Certification (Writing Research Proposal & Dissertation, Data Collection & Analysis Techniques using SPSS software), Wabunifu Consultants Ltd, MMUST, February 2014.
Trained on ISO 9001:2000, Kenya Bureau of Standards   Quality Institute, March 2011.
Trained on Fundamentals of Web Applications, MMUST Directorate of ICT (DICTS), May 2010.

EXPERIENCE

ICT MAINTENANCE ENGINEER, MASINDE MULIRO UNIVERSITY OF SCIENCE & TECHNOLOGY (MMUST): APRIL 2010 -TO DATE

1. Helpdesk and Desktop Administration; provide software and hardware troubleshooting, repair and maintenance as well as software user support to all members of staff on-site, carry out installation and the uninstallation of all software on all user ICT equipment, and manage helpdesk system as well as antivirus software application

2. Network Administration and communication management; deployment of network infrastructure such as cable trunking, switching and routing as well as troubleshooting of LAN/WAN connectivity issues, Perform ICT auditing, logging and monitoring for optimum performance, configure ASA firewalls to ensure security of the network, deploy Cisco technologies and manage VLAN, VPN, MPLS network environments.

3. System Administration; deployment and commissioning of new servers. Monitor the performance and reliability of network equipment, recommend replacement or modification of existing hardware and facilities, control physical security of data processing and storage facilities including standby and recovery procedures, plan and test back-up facilities in the event of computer equipment failure and coordinate the university s re-run procedures. Manage the AD platform, VLAN, VPN, MPLS

4. Strategy Development: Develop institutional ICT maintenance strategy in line with e-government standards related to ICT equipment maintenance, compute staff to computer ratio based on government and KENET ratios, design and implement maintenance schedules, develop, implement, and monitor performance contracting work plans, prepare procurement plan and financial budget for all ICT equipment yearly requisitions.

5. Technology Capacity Building: carry out training needs assessment to ICT staff and all University staff and facilitate trainings according to the ascertained requirements. This includes provision of technological advisory role to management with regard to the current technology to be deployed in the University.

6. Assets and Operations Management: Maintenance of the inventory of all IT assets and equipment, warranty status, and Service Level Agreements (SLAs) with service providers.

7. Develop, review, and implement policies: passwords, asset and operation management, incident management, ICT resources access, and e-waste management.

8. Service Procurement; guide procurement with the necessary technical (hardware and software) acquisition specifications during purchase of ICT equipment according to standards and least cost in keeping with rules and regulations and to ascertain that the correct services have been rendered in a timely manner. Member of the University Procurement, Disposal, and Tender

Committees.

NETWORK DESIGN ASSISTANT, IGYTECH COMPUTER SYSTEMS: AUG 2007 - JAN 2010

1. Network Administration: Network administration and management including backup, internet access, and application support to the esteemed customers in the field.
2. Design: Design and implementation of customer routing and switching of network infrastructure.
3. Customer Services: Tuning up of new customer VPN peering sessions as well as debugging MST, VLAN and IGP convergence problems.
4. Escalations: Handle all escalated customer issues (customer service requests) during implementation in a bid to provide quick issues resolution in a timely manner.
5. Process Development & Systems Improvement: Develop all project management process documentation that governs execution of projects from conception to completion i.e. work flow charts. The role include recommending improvement of relevant systems.
6. Project Implementation: Ensure projects are delivered within agreed timelines in a bid to meet the organization annual target. This includes providing weekly and monthly reports.

TEACHING/TRAINING EXPERIENCE	**MASINDE MULIRO UNIVERSITY (MMUST): 2013 - DATE** Industrial Training: Teaching, examining and conducting practical courses in Systems/ Network Administration, systems repair and maintenance. **KIBABII UNIVERSITY COLLEGE (KIBUCO): 2014** Area of specialization: Computer Networks, Data Communications, Information Security. Industrial Training: Teaching, examining and conducting practical courses in Systems & Network Administration.
PROFESSIONAL MEMBERSHIP	Association of Computing Machinery (ACM), Member Number: 4550545
LANGUAGE PROFICIENCY	English, Kiswahili and Luhya

REFEREES	**MR. IMBAYA MUSA**

MR. IMBAYA MUSA

Senior Network Engineer, Safaricom Ltd

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MR. JUMA KILWAKE

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DR. CYRUS WEKESA

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