Joseph Solomon Walekhwa Mukoto,
P. O. Box 35016 - 00100, Nairobi
Tel: 0735 – 968685, 0722 – 911037
E-mail: mukoto@outlook.com

Profile

An IT professional knowledgeable in systems development, Domain Name System, budget management, client management, contract management, E-Government Solutions, End-user support, Information Security, computer networks, Information System Audits, computer operations and management systems (ISMS and QMS).

Work History

NETWORK ADMINISTRATOR
Kenya Forestry Research Institute   June 2010 - Present
KEY ACCOUNTABILITIES

- Coordination of Wired and Wireless Local Area Network and Wide Area Network for the Institute's five (5) regional centers and personnel (1,200 staff)
- Lead Infrastructure, Technical support and management of all equipment in the network infrastructure including Unified Threat Management appliances, Storage Area Networks, L2 & L3 switches, routers, VoIP Phones, scanners, printers.
- E-Government implementer and liaison for the Institute
- Monitor, analyze and resolve intrusion detection
- Coordination of Information Security Management System for the Institute
- Writing technical documents and specifications for new IT/IS equipment
- Training of end-users on new technology
- Create, test and maintain a disaster recovery plan for the Institute's core IT systems
- Network design for LAN, WLAN and WAN
- Internal Auditor – ISMS and QMS
- Administration of Mail and Collaboration system (Micro Focus Novell GroupWise on SUSE Linux Enterprise)

ACHIEVEMENTS

- Successfully implemented structured Network LAN's in four (4) Regional Research centers (DERP Kitui, Farmer's Resource Centre Marigat, CERP Gede & Garissa sub-center).
- Improved Data Backup and recovery procedures by putting into service Networked Attached Storage, Storage Area Network and offsite data backup.
- Reduced the incidences of Domain IP blacklisting
- Installed & commissioned a Wide Area Network (WAN) at KEFRI Headquarters & two (2) Regional Centers.

SYSTEMS ADMINISTRATOR
Crown Beverages Ltd   September 2007 – May 2010
KEY ACCOUNTABILITIES

- Microsoft, exchange and domain administration support and level 2 network support for twenty-nine (29) users running Windows XP, Windows 2000, Windows Vista, Windows 2000/2003 Server and management of all equipment in the network

infrastructure [including hubs, switches, routers, VoIP Phones, scanners, printers, electronic signature devices, electronic tax registers, copiers].

ACHIEVEMENTS

- Set up three (3) office LAN's on schedule
- Designed Network Plans/Diagrams/Schematics

IT SUPPORT ASSISTANT

Crown Foods Ltd/Crown Distributors Ltd   August 2006 – August 2007

KEY ACCOUNTABILITIES

- Support of twenty-three (23) users running Windows XP/2000 and management of all equipment in the network infrastructure [including hubs, switches, routers, VoIP Phones, scanners, printers, electronic signature devices, electronic tax registers, copiers].
- Microsoft Active Directory administration
- Management and maintenance of the inventory of IS assets (hardware and software)

ACHIEVEMENTS

- Designed & implemented IT/IS Policies for Crown Foods Ltd & Crown Distributors Ltd
- Implemented VoIP with no downtime during business hours
- Completed full scale systems upgrade

COMPUTER OPERATOR

Gatehouse Medical Centre   September 2002 to June 2006

KEY ACCOUNTABILITIES

- Systems development (Implementation and management of QuickBooks Accounting System)
- Overall management of organized data, data backup and restore
- Management and maintenance of the inventory of IS assets (hardware and software)
- Day-to-day support, operation and control of all equipment in the network infrastructure (including hubs, workstations, scanners, printers, photocopiers)
- Training accounting and secretarial staff in IS skills

ACHIEVEMENTS

- Patient-centric processes are now online
- Increased staff productivity by providing Information system instruction
- Met the clinic's need for accounting reports that are informative, reflecting trends in cash expenses;
- Business entries spanning over two decades are now simple detailed reports accessible online

Professional Qualifications

Techno Brain Training Kenya
Certified Ethical Hacker (CEH v9)   June 2016
AFRICAN ADVANCED LEVEL TELECOMMUNICATION INSTITUTE
Certified Information System Security Professional (CISSP)   June 2014
INSTITUTE OF ADVANCED TECHNOLOGY
Certified Cisco Network Associate (CCNA)   May 2013
CompTIA Security +   January 2010
Institute Of Software Technologies
Micro Focus Novell GroupWise 8 Admin   May 2011

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Seminars

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STRATHMORE UNIVERSITY   September 2013
14th IT CONFERENCE – TECHNOLOGY FOR SUSTAINABILITY, SOCIAL JUSTICE & AND THE WELL-BEING OF EVERYONE
STRATHMORE UNIVERSITY   September 2012
13th IT CONFERENCE – ICT AND Society: Adaptive Computing & Technologies
STRATHMORE UNIVERSITY   September 2005
8th IT CONFERENCE Managing and Measuring ICT in Business and Education
STRATHMORE UNIVERSITY   September 2005
6th IT CONFERENCE TOWARDS AN e-SOCIETY
STRATHMORE UNIVERSITY   September 2004
5th IT CONFERENCE ICT – ITS IMPACT ON SOCIETY AND DEVELOPMENT
STRATHMORE UNIVERSITY   October 2003
4th IT CONFERENCE EMERGING TRENDS IN IT

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Education

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Bachelor of Business and Information Technology (BBIT)
ST. PAUL'S UNIVERSITY, September 2014 – 2017 (academic transcript available on request).
Relevant Paper: - *Dissident in Remunerationem*: The Role of ICT Professional Certification in Remuneration – A Case of Public Service in Kenya

National Diploma in Information Technology (NDIT)
COMPUTER SCHOOL OF ADMINISTRATION   January 2002 - December 2003

National Certificate in Information Technology (NCIT)
COMPUTER SCHOOL OF ADMINISTRATION   July 2000 - December 2000

National Certificate in Computer Operations (NCCO)
COMPUTER SCHOOL OF ADMINISTRATION   January 1998 - June 1998

Kenya Certificate of Secondary Education
Bungoma High School   1993 – 1996

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Affiliations/Associations

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Computer Society of Kenya   - Member

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Referees

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1) **Dr. F. Mugo Ng'ang'a**,	2) **Mr. Moses Shiyuka**,	3) **Mr. Riany K. Goga**,
Consultant Paediatrician,	IT Executive,	Head ICT,
GateHouse Medical Centre,	Crown Beverages Ltd,	Kenya Forestry Research Institute,
P. O. Box 2739 - 20100, NAKURU	P. O. Box 27634 - 00506,	P.O. Box 20412- 00200, Nairobi
E-mail: drfmugo@msn.com	NAIROBI	E-mail: kriany@kefri.org
Tel: (051) 2211529/73	E-mail: mshiyuka@water.co.ke	Tel: 0724-259781/2
Fax: (051) 2213111	Tel: (020) 6960000	Cell: 0720738832
	Cell: 0722 – 626696	