Mohamed Elhag M.A, B.Sc. BA, HD of IT, M.sc. IT, CCNA, TOT

UofK Street, Khartoum-Sudan

(249) 912572300, aboo72me@gmail.com

Profile

Mohamed has a strong background in technology complemented with leadership positions in information technology projects. He has served in leadership positions for IT projects with budgets ranging from $10 thousand $150 a thousand. He is experienced visioning, executing projects from inception to launch and is able to provide a structured framework to analyze complex situations into simple strategic imperatives.

Areas of Expertise

- Leadership and innovation
- Strategic thinking
- Strategic planning
- IT implementations
- IT Project management
- Business analysis and process redesign
- Performance management and scorecards
- Creativity and performance of high quality of work
- Expert in network administrating and systems analysis

Education

2016-	**UM**	PhD	Information System	in Progress
2006-2008	**UM**	M.Sc	Information Technology	(e-commerce)
2003-2004	**NU**	High Diploma	Information Technology	(Networks)
1999-2002	**OIU**	B.Sc	Business administration	
1999-2000	**UoJ**	Diploma	Computer Maintenance	

Employment

- **Sudanese Standards & Metrology Org,** head of the Electronic Archive, 2013– Present

• Create electronic archive with the latest technical means and Electronic Systems
• Use international standards to creation of buildings and aids work in the unit electronic archive
• Use ISO standard (16175-2: 2011) Information and documentation - Principles and functional requirements for records in electronic office environments -Part 2: Guidelines and functional requirements for digital records management systems.

The goals of this project are to (SSMO):

(1) Provide back-up copies of the documents in case the assets of any damage due to any natural or human factors.
(2) Easy to retrieve the required documents and using different ways to search, with the possibility of more than one search
(3) Easy to exchange documents inside and outside the (SSMO).
(4) Easy to adjust the powers of access to documents.

My role:

- Served as head of unit and project control officer and technical specialist.
- Developed strategy and project plan required to get the necessary approvals to manage the unit.
- Get the technology to transfer more than 200.000 paper Document to electronic format

- **Sudanese Standards & Metrology Org,** Head of Information Centre, 2010 – 2013

    Project: (SSMO) Network Connection:
    - Build HQ building Network.
    - Create main data centre with 7 servers
    - Build 27 branch Networks
    - Connect 10 branch networks to HQ

    Scope of this project:
    - 1 Main Office network
    - 15 branch Networks
    - More than 10 servers and 250 PC
    - 1 data centre connected to 4 information systems

    My role:

    - Technical lead (led team of 7 networks eng, 9 software developer, and 5 hardware maintenance specialists).
    - led to developed data warehouse to connect 7 information systems
    - Developed performance management reports
    - Automated system to saving more than 200 man-hours
    - Daily management of IT centre

- **Sudanese Standards & Metrology Org,** Head of IT Department, 2008 – 2010

Responsibilities

Cisco Skills

- TCP/IP Addressing and subnet.
- Configuring and deploying Cisco PIX firewall.
- Configuring, troubleshooting and managing Standard and extended IP Access List.
- Building Scalable Cisco Networks.
- Planning, Configuring and Implementing Policy based Routing.
- Configuring & troubleshooting Protocols like BGP, EIGRP, HSRP, and SNMP etc.
- Building Cisco Multilayer Switched Networks.
- Building Cisco Remote Access Networks.
- Setting up AAA Access Server Using RADIUS and TACACS+.
- Backup, Recovery, and Upgrading of IOS.
- Backup of Router Configuration and recovery of Password.

- **Sudanese Standards & Metrology Org,** Network administrator, 2002 – 2006

Responsibilities

- Installing, configuring, testing, upgrading and administering Servers.
- Performed Migrations Windows 2003/2008 Active Directory.
- Designed Active Directory forest and domain structures.
- Designed Organizational Unit Structure (OU's) in Active Directory.
- Configure and Implement Group Policy Objects in Active Directory.
- Configured DNS for use with Active Directory.
- Backup and test restore of Active Directory for disaster recovery.
- Publish resources in Active Directory and control access to them.
- Apply Security Policies and Audit policies by using AD Group Policy Objects.
- Analyzed business requirements for desktop management.
- Configure Exchange 2003/2007 Server information in the Windows 2003/2008 Active Directory.

- **Ministry of Agriculture North State,** Computer Technician,1997 – 2002

Responsibilities

- Providing training and support on using Microsoft Office tools.
- Documenting several RFPs (Requests For Proposals) for enterprise-level contracts (agriculture infrastructure, projects, maintenance etc.)
- Install and maintain software applications and hardware.
- Establishing a Document Management System which handled the requirements of document's workflow cycle.
- Build, maintain, and update government report forms.

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Certifications

- Training of trainer (Basic)(Sudan) 2016
- Information security management according to international standards ISM (Sudan) 2016
- The Value Machine (A Balanced Scorecard Strategy Management Framework (Sudan) 2015
- Concepts and applications of organizational excellence models (EFQM Model) (Sudan) 2015
- Business English for Communication (Sudan) 2014
- Business Process Re-engineering (Sudan) 2014
- Statistic Data Analysis using (Minitab software) (Sudan) 2014
- Strategic Planning & key performance indicators (UAE) 2013
- Successfully Completed ITIL Version 3 Foundation (Sudan) 2012
- Cisco Certified Network Professional Security (ASA firewall) (India) 2012
- CCNA; Cisco certified Network associate (CCNA) (Malaysia) 2008
- System Analysis & Documentation 2006
- Understanding, Documentation and Internal Auditing of ISO 9001:2000 (Sudan) 2004
- MCSE; TATA InfoTech (New Delhi, India) 2003
- Information Security Management System BS 7799 course BSI Business Solutions Ltd 2003

Conferences & workshop

- Mobile Application in Libraries and Information Centers Workshop In collaboration with (IFLA) (Oman – Jordon) 2015
- November.2 015: The 26th Annual Conference of the libraries of the Arab Federation for Libraries and Information (Oman – Jordon)
- December. 2013: The 14th International Arab Conference on Information Technology (ACIT) (Khartoum – Sudan)