

# **Janet Maranga King'oina**

## **CURRICULUM VITAE**

### **Objective**

To contribute my knowledge and skills to develop, deploy and support quality, sustainable solutions and provide thought leadership in matters of Information Systems Audit, Security and Risk Management.

### **Work Experience**

**September 2018 – Present University of Nairobi – ICT Center**

**Position: Chief ICT Officer (Security)**

In this position, I monitor, evaluate and implement appropriate security measures in both the Network Infrastructure Services section as well as the ICT Center in line with the University of Nairobi's vision, mission and strategic direction.

### **Key Responsibilities**

- Maintains and updates an ISMS Vulnerability dashboard to keep track of organizational weakness and present to the management for decisions. Decisions requiring implementation are tracked with implementation team till closure. Vulnerabilities for which there are no action taken are reported for residual risk approval to the top management.
- Verifies and performs risk assessment for any new project and product acquisition.
- Identification of new threats/vulnerabilities and reporting to relevant stakeholders in relation to enterprise information risk.
- Document Controller for all ISMS related documentation.
- Responsible for reporting full or part of the ISMS performance on a monthly basis.
- Ensures policy objectives are met and responsible for supervision of records generated as per the security operation,
- ISMS Annual program maintenance
- Key point of contact for day-to-day security implementation/issues,
- Arranges for regular security audits as per the set criteria for assessments,
- Conducts regular internal audits,
- Reports internal audit findings to the ICT management and recommends preventive and corrective action

## **Janet Maranga King'oina**

P.O. BOX 39501-00623, Nairobi

+254724519801

Jaymaranga9@gmail.com

**August 2013 – September 2018 University of Nairobi – ICT Center**

**Position: Senior ICT Officer (Security)**

In this position, I monitor, evaluate and implement appropriate security measures in both the Network Infrastructure Services section as well as the ICT Center in line with the University of Nairobi's vision, mission and strategic direction.

### **Key Responsibilities**

- Actively design, implement and manage server security systems and procedures through continuous auditing and continuous monitoring and give recommendations on how to fine-tune the performance of servers and server processes;
- Develop and implement the ICT Risk Management framework across the ICT functions benchmarked using International standards as well as enforce adherence to standards, procedures and processes for risk analysis and assessment, risk management methodologies and Information Security Management in liaison with the Managers in charge of the all key ICT functions
- Manage new and ongoing projects using the ICT risk management framework and prepare risk reports
- Part of the team involved in the development, implementation and enforcement of necessary security policies, standards and measures;
- Auditing server systems, users and resources on various university systems e.g. the Microsoft Active Directory among others;
- Perform penetration tests and vulnerability assessments on the University ICT infrastructure and give recommendations on risk mitigation measures
- Conducting follow up activities on audit findings to ensure that the relevant personnel have taken corrective action(s);
- Carrying out ICT security sensitization trainings to staff in various units to enhance the human element in securing the network and related infrastructure
- Evaluate new projects and give input on the security aspect once they are integrated with the existing University systems
- Part of the team that manages the University's firewall system;
- Managing, auditing and carrying out regular maintenance on ICT security servers;

## **Janet Maranga King'oina**

P.O. BOX 39501-00623, Nairobi

+254724519801

Jaymaranga9@gmail.com

- Auditing the network devices, MIS systems and giving recommendations to ensure a secure environment for the information and systems hosted at the ICT datacenter;
- Liaise with the Managers and Project Leaders with regard to the development, implementation and enforcement of necessary security policies, standards and measures in line with their respective mandates.
- Guide on the development of ICT risk registers in various ICT sections and monitor the currency of the same in line with the changing security threat landscape
- Evaluate Risk management practices to determine whether the University's ICT related risks are properly managed
- Develop as well as evaluate problem and incident management practices to determine whether incidents, problems or errors are recorded, analyzed and resolved in a timely manner.
- Assess the readiness of information systems for implementation and migration into production to determine whether project deliverables, controls and University's requirements are met

### **The Presbyterian University of East Africa    June 2012 - August 2013**

#### **Position: Part-Time Lecturer – Computer Science Program**

I equipped students with knowledge and skills that are in line with the ICT Industry practices. The specifics entail:

- Preparation of course outlines and teaching materials;
- Participation in the teaching of various units/ modules in the course;
- Demonstrating during the practical sessions;
- Overseeing the students' assessment, setting exams exam invigilation, marking and grading exams;
- Ensuring quality control practices and participating in the quality control sessions;
- The courses that I have taught include:-Basic Computer Networking Architecture, Advanced Computer Networking, Software Engineering and Information Systems Security and Audit.

## **Janet Maranga King'oina**

P.O. BOX 39501-00623, Nairobi

+254724519801

Jaymaranga9@gmail.com

### **J.S. Engine Limited May 2011 – June 2012 Position: Head of Client Service**

- Managed Client Service Coordinators, handled staffing and employee issues, enforced departmental policy;
- Provided customer service;
- Involved in client service which included; responding to clients enquiries through Email, telephone as well as in person;
- Ensured that internal weekly team review meetings took off and progress on various projects was reported and pending issues were resolved.

### **January 2010 – April 2011 Position: Client Service Officer**

- Captured and reported on all Customer Service requests, production, and turnaround time metrics;
- Scheduled appointments according to established procedures;
- Responded to clients' issues and ensured that the client received satisfactory solutions to their problems;
- Did user support by resolving client queries and requests and making sure their I.T infrastructure was running optimally;
- Developed proposals to bid for various tenders to bring in new business to the company;
- Advised and installed various antiviruses at our client sites and ensured automatic updating and renewal of licenses periodically as required;
- Hardened operating systems that servers utilized at client sites according to best practices in order to secure our various clients' information assets;
- Documented system requirement specifications, user manuals and training manuals for various software projects.

### **September - December 2009 Position: Intern**

- Learnt all the various procedures and format of company communications;
- Set up and configured emails for clients on various platforms e.g. Microsoft Outlook, Outlook Express among others;
- Captured meeting minutes and disseminated them to the concerned persons for various meetings held internally and also externally with clients;
- Did user support and basic troubleshooting of printers and computers and ensured that client I.T infrastructure was running optimally;
- Created and sent out Email campaigns to subscribed clients.

## Janet Maranga King'oina

P.O. BOX 39501-00623, Nairobi

+254724519801

Jaymaranga9@gmail.com

### Education

<u>DURATION</u>	<u>ACADEMIC QUALIFICATIONS</u>	<u>INSTITUTION</u>
2010 - 2012	MSc. in Computer Science	University of Nairobi
2005 - 2009	BSc. in Computer Science	Egerton University
2004 - 2005	Diploma in Information Technology	Christ the King Computer College
2000 - 2003	Kenya Certificate of Secondary Education	Nakuru High School
1992 - 1999	Kenya Certificate of Primary Education	St. Joseph's Primary School

### Professional Courses

<u>DATE</u>	<u>COURSE</u>	<u>INSTITUTION</u>
October 2018	ISO 27001 ISMS Lead Implementer	Sentinel Africa
2017 June – 2018 June	Penetration Testing and Ethical Hacking	Self-Study
2016 January – May	Kenya Principles and Practices of Research Data Management and Collection	University of Washington / University of Nairobi
2016 January – May	Kenya ICT in Health Research: Creative Integration of ICT Tools	University of Washington / University of Nairobi
2016 February	CISCO DLTT(Developing Local Talent through Technology)	AFRALTI (Africa Advanced Level Training Institute)

## Janet Maranga King'oina

P.O. BOX 39501-00623, Nairobi

+254724519801

Jaymaranga9@gmail.com

2015 February	Excellent Project Management Skills Training	Dolphins Training and Consultants Ltd
2014 October	Scalable Campus Networks and Wireless LAN Design Training	KENET (Kenya Education Network)
2014 April - June	Information Systems Security Course: Penetration Testing	Akirachix Association
2013 January- June	Certified Information Systems Auditor (CISA)	Self-Study

### **Extra-curricular & Professional activities**

- Vice-Secretary of the ICT Center welfare
- A Member of ISACA - Information Systems Audit and Control Association which is a worldwide Association of Information System professionals dedicated to audit, control, and security of information systems.
- A member of Women in Security (WoSEC) Kenya
- A member of SheHacks KE
- A Member of the Association of Computing Machinery for Women (ACM-W). This is the top Computer Science professional association in the world.
- A Founder Member and Secretary/ Treasurer of the Association of Computing Machinery for Women (ACM-W, Nairobi Chapter) which seeks to empower girls and women in Computer Science to pursue it as a career.
- A former Board Member of DRAKE (Domain Registrars Association of Kenya).
- A voluntary Computer Tutor teaching basic computer literacy skills to deaf students at Ngala Special School for the Deaf.

## Janet Maranga King'oina

P.O. BOX 39501-00623, Nairobi

+254724519801

Jaymaranga9@gmail.com

### References

1. Paul Kimemia,  
Chief ICT Officer,  
Kenya National Examinations Council,  
Agha Khan Walk,  
Nairobi.  
+254724373369  
[paulkimemia@gmail.com](mailto:paulkimemia@gmail.com)
2. Robert Achang'a  
Principal ICT Officer,  
Kenya National Examinations Council,  
Agha Khan Walk,  
Nairobi.  
+254726240903  
[rachanga@gmail.com](mailto:rachanga@gmail.com)
3. Mary Kamau,  
Administrator,  
J.S. Engine Ltd,  
Mogotio Road, Westlands,  
Nairobi,  
+254724577350  
[marykamau@gmail.com](mailto:marykamau@gmail.com)