

PESSY KAPERE
P. O. Box 42808 00200 NAIROBI
pessykapere2002@gmail.com
+254796773177

LinkedIn: www.linkedin.com/in/pessy-kapere-ab7033213

CAREER OBJECTIVE

To be a dynamic and detail-oriented Information Technology and Cybersecurity specialist.

WORK EXPERIENCE

May 2024 to date: Technical Support internship at Government Digital Payments (eCitizen)

In 2014, the Government of Kenya introduced an integrated e-Government services platform called eCitizen, designed to facilitate the online provision of 41 services during its pilot phase. This platform also enables digital payment for these services through electronic cards, electronic bank transfers, and mobile money.

My roles and duties here include:

- Provision of backend assistance to clients encountering difficulties while utilizing the eCitizen platform for government service applications.
- Offering IT user support at eCitizen
- Developing and updating application systems
- Carrying out system analysis, design and programme specifications in liaison with users
- Repair, maintenance, and servicing of printers and computers
- Automation of government services
- Implementing security controls on systems and networks
- Any other work allocated to me

April 2023- to May 2024: Volunteer at Centre for Women Empowerment in Technology (CWE-TECH)

CWE-TECH is an NGO that endeavors to close the gender gap in technology and build a more equal world through provision and access to technological tools that generate a positive chain reaction with extensive outcomes on women, girls, and the youth socio-economic programs.

My role here has been:

- Integration of training of women and girls' sexual reproductive health with digital technologies
- Developed CWE-TECH system and support the installation, configuration, and maintenance of hardware and software systems.
- Participated in the development of needs assessment tools: survey questionnaires and guides for wireless engineer's program for girls

- Participated in the collection and data analysis and report writing for wireless engineers program
- Participated in network administration tasks, including monitoring network performance, configuring routers and switches, and troubleshooting network issues.
- Contributed to the development and implementation of IT policies, procedures, and best practices.
- Training their members/participants on basic computers
- Maintenance of laptops and computers by servicing them

Jan 2023 to April 2023: University Study Attachment: Kisumu Water and Sanitation Company Limited (KIWASCO)

KIWASCO is an ISO 9001:2015 Certified company and was founded in 2001 and registered under CAP 486 of the laws of Kenya. It begun its operations in July 2003 to provide adequate clean potable water and to collect, treat, and dispose sewerage (wastewater) within the jurisdiction of Kisumu City. I worked at the ICT Department at KIWASCO, my roles and duties were:

- Carry out system integration for client engagement from definition phase through implementation.
- Assisted in the implementation and configuration of security controls such as firewalls, IDS/IPS, and SIEM solutions.
- Conducted vulnerability assessments and penetration tests to identify and remediate security vulnerabilities.
- Participated in incident response activities, including triaging security alerts, investigating security incidents, and documenting findings.
- Collaborated with cross-functional teams to develop and implement security policies, procedures, and best practices.
- Assisted in security awareness training sessions to educate employees about cybersecurity risks and best practices.
- Evaluate and modify internally developed systems and patch third party systems to ensure efficient integration and user friendliness.
- Manage systems access by assigning and changing systems rights.
- Participate in staff training on use of the system and support systems security.
- Take necessary measures and techniques to protect the system from virus and malware attacks that could lead to inappropriate modification of data.
- Audit the impact of security technology and developments in technology to improve service delivery and support the Company to remain abreast with technological developments.
- Participate in the procurement of quality systems.
- Troubleshoot and diagnose system errors and implement solutions.

- Respond to user queries and / or complaints and take corrective action and escalate to the Information, Communications and Technology Manager.
- Develop simple software programs as and when required to meet short term system requirements and modifications.
- Conduct regular information backups as per the laid down Information, Communications and Technology procedures.
- Implement an effective and efficient security system that ensures network, systems and data security and recovery from internal and external security threats.
- Assist in the formulation and implementation of disaster recovery and loss prevention plans and procedures to ensure business continuity in case of disasters.
- Identification of business security issues, design, analysis and implementation off security technology based on logical design requirements.
- Oversee the physical security and safety of Information Technology systems.
- Provide technical advice to management and staff on computer and data security issues and create awareness on security issues through training programmes.
- Prepare monthly reports on the Company's Information Technology security assurance and performance.

EDUCATIONAL BACKGROUND

January 2020 to November 2023: KCA University - *Bachelor of Science in Information Security and Forensics (BISF)* 2nd class upper

Jan 2016 to Dec 2019: Rang'ala Girls High School- *Kenya Certificate of Secondary Education*

OTHER COURSES

2021-2022: EC-Council: Certified Ethical Hacker – CEH

Certification number ECC5627841903

August 2023 to date: ALX Tech Programmes; Software Engineering (In progress)

AREA OF PROFICIENCY

- MS office suite
- Certified Ethical hacker

- Operating management systems
- Computer networking & cloud computing
- Building and evaluating network architecture
- Pentesting
- ALX software engineering
- Microsoft Office.
- System development and securing
- Proficiency in programming languages like Java, Python, and C++
- Familiarity with MySQL database platforms
- Understanding protocols for detecting and preventing firewall breaches
- Programming

REFEREES

Silas Oswe
 Head, Government Digital Payments (eCitizen)
 National Treasury - Government of Kenya
 Telegraphic address:22921
[Telephone: 2252299](tel:2252299)

Dr Judy Makira
 The CEO
 Centre for Women Empowerment in Technology
 P.O Box 71417-00622 Email:
judynmakira@gmail.com
 Tel: 0722481912

Steve Owino
 Statistician
 Homa Bay County Government
 Budget Office
steveowino888@gmail.com
 Tel: 0715080410