Cynthia Kamau

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ABOUT ME

Cynthia has hands-on experience building and maintaining infrastructure, both on-premise and in the cloud. She is competent at abstract thinking and problem solving, built from experience troubleshooting server incidences. Curious about cloud security, systems and cloud engineering,Cynthia is not only a critical thinker but a dynamic professional who is constantly researching new technologies.

EDUCATION

B.Sc. in - Genomic Science
Jomo Kenyatta University of Agriculture and Technology
2017 - 2021

LINKS

- github
- linkedin
- website

BADGES & CERTIFICATES

2022 - AWS Certified Cloud Practitioner

2022 - ISC2 Candidate

SKILLS

- Amazon Web Services
- Ansible
- Cyber Defence
- Git
- GitHub
- Google Dorking
- Linux, Windows (servers)
- Python, Bash scripting
- Privilege Escalation
- Network Administration
- Network Exploitation

EXPERIENCE

International Center of Insects Physiology and Ecology, icipe - Junior System Administrator   07/2022 - present
- Monitored server's performance and usage using monitoring tools such as Grafana dashboards
- Performed network exploitation on icipe's server using tools such as Nmap for identification of security vulnerabilities
- Designed and developed system hardening solutions by subjecting the platform to stress testing and producing reliable disaster recovery solution
- Maintained uptime by analysis of system and network logs and performing a systematic incidence handling and troubleshooting procedure
- Provided recommendations on shifting workloads to the cloud, and built a test Virtual Private Cloud on AWS

Mosse' CyberSecurity Institute - CyberSecurity intern   09/2021 - present
- Used Security tools such as Metasploit to identify machines vulnerable to MS 17-010
- Professionally defended large-scale computer networks by writing PowerShell scripts to turn on Windows Defender, Firewall
- Understood different OS concepts such as networking, file systems, process management
- Learnt on the different security frameworks such as NIST CyberSecurity Framework, MITRE ATT&CK Framework, Cyber Kill Chain Framework
- Learnt important networking concepts such as the 3- Way Handshake, Subnetting, Routing and Switching

PERSONAL PROJECTS

AWS Migration Plan   09/2022
- Created an AWS Migration Plan for icipe to aid in the cloud migration process with minimal downtime

High Performance Computing   10/2022
- Configured a 3-node local High Performance Computing cluster using 3 Desktops

AWS Virtual Private Cloud   11/2022
- Created an icipe Virtual Private Cloud and configured virtual HPC clusters

Online Resume   11/2022
- Created an online resume using Github.Dev and Github pages

VOLUNTEERING

The Young CISO Network - Team Lead   present
- Assisted in organising physical meetups and approaching prospective partners such as IBM and iHub Kenya for collaboration

CyberSecurity Gatebreakers Foundation - member   present
- Participated in the foundation's mission and vision of breaking the gates of CyberSecurity by involving more policy makers to develop security policies

AWS - AWS Community Builder   present
- Raised awareness by advocating the importance of cloud and cloud security, teaching my local community how AWS services will promote their business, and writing articles simplifying AWS services

Internet Society Kenya Chapter - member   present
- Participated in advocation of proper internet policies and raising technology standards