



## ABOUT ME

I am a Jomo Kenyatta University of Agriculture and Technology graduate with a BSc in Electronic and Computer Engineering. My commitment lies in fortifying cybersecurity measures and optimizing network infrastructure. With a keen focus on maintaining clean code standards, I excel in implementing effective solutions to intricate challenges. Proficient in pair-programming, I thrive in remote work environments, adapting swiftly and continuously expanding my expertise across various programming languages, frameworks, and technologies. I am deeply passionate about community engagement and mentorship within the cybersecurity and networking realms.

## LINKS

**LINKEDIN:**  
<http://www.linkedin.com/in/hemstone-chilluba-410b05218>

**PORTFOLIO:**  
[https://hemstonec.github.io/cyber\\_sec/](https://hemstonec.github.io/cyber_sec/)

**GITHUB:**  
<https://github.com/Hemstonec>

## CERTIFICATIONS

- Certified Information Systems Security Professional (CISSP)
- Certified Ethical Hacker (CEH)
- CompTIA Security+
- Certified Information Security Manager (CISM)
- Certified Cloud Security Professional (CCSP)
- Cisco Certified Network Associate (CCNA)
- Certified Network Security Professional (CNSP)

## LANGUAGES

ENGLISH

SWAHILI

## REFERENCES


**VICTOR KIMARU**  
CEO at Bor Systems Limited  
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**EDMOND NGWALA**  
CEO at Ngwala Inventions  
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# HEMSTONE CHILLUBA

ELECTRONIC AND COMPUTER ENGINEER

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## WORK EXPERIENCE

**NGWALA INVENTIONS**  
Dar Es Salaam  
Jun 2023 - Jan 2024

- NETWORK ENGINEER**
- As a Network Engineer at Ngwala Inventions, I excel in:
- **Network Design & Implementation:** Crafting scalable network architectures, including LAN/WAN setups, routers, switches, and firewalls.
  - **Monitoring & Optimization:** Proactively monitoring network performance and optimizing resources for efficiency.
  - **Incident Response:** Swiftly responding to network incidents, conducting root cause analysis, and implementing solutions.
  - **Security Integration:** Collaborating with security teams to integrate robust security measures into network infrastructure.
  - **Vulnerability Management:** Identifying and mitigating network vulnerabilities through thorough scanning and remediation.
  - **Automation & Scripting:** Developing automation scripts to streamline network tasks and enhance operational efficiency.

**BOR SYSTEM LIMITED**  
ELDORET  
Jan 2023 - May 2023

- CYBER SECURITY CONSULTANT**
- As a Cyber Security Consultant at Bor Systems Limited, my key strengths lie in:
- **MITRE ATT&CK Framework:** Leveraging the MITRE ATT&CK knowledge base for threat modeling, detection, and mitigation strategies.
  - **Risk Assessment and Compliance:** Conducting risk assessments and ensuring adherence to industry standards like NIST, ISO 27001, and GDPR.
  - **Security Architecture:** Designing secure network architectures with defense-in-depth, access controls, and secure communication protocols.
  - **Cloud Security:** Implementing cloud security best practices, access management, data encryption, and monitoring.
  - **Identity and Access Management (IAM):** Deploying robust IAM solutions for authentication, authorization, and access control.
  - **Security Awareness and Training:** Developing and delivering security awareness programs and training.
  - **Penetration Testing:** Identifying and exploiting vulnerabilities through ethical hacking and providing remediation recommendations.
  - **Incident Response Planning:** Collaborating on comprehensive incident response plans and coordinated response efforts.
  - **Security Tool Implementation:** Evaluating and implementing SIEM, IDS/IPS, DLP, and other security technologies.

**KENET (KENYA NETWORKING)**  
NAIROBI  
Jan 2022 - Jul 2022

- NETWORK SECURITY INTERN**
- As a network security intern at KENET (Kenya Education Network), I gained hands-on experience in:
- Network Monitoring and Traffic Analysis.
  - Firewall Configuration and Management.
  - Vulnerability Assessments using Nessus and OpenVAS.
  - Incident Response and Threat Mitigation.
  - Network Hardening and Secure Configurations.
  - Linux proficiency (Debian, Ubuntu)
  - Rountg (P2Plinks, VPN, IP addressing)
  - Server deployment (Racking, networking, power)
  - Storage technologies (NFS, ZFS, BTrfs, Distributed Storage)
  - Virtualizaon and cloud (VMdeploymenton-VMWare, xen, Amazon/Google cloud).

## EDUCATION

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY (JKUAT)**  
2022

**BSc. ELECTRONIC & COMPUTER ENGINEERING.**

**TERIGE HIGH SCHOOL**  
2015

**KCSE**

**ROXY SCHOOL**  
2011

**KCPE**

**APOSTOLIC FAITH SCHOOL.**  
2003

**ECD**

## SKILLS

OPERATING SYSTEMS PROFICIENCY: (LINUX, WINDOWS, MACOS)

NETWORK PROTOCOLS KNOWLEDGE: (DNS, DHCP, HTTP/HTTPS, SSL/TLS)

NETWORK DEVICE CONFIGURATION: (ROUTERS, SWITCHES, FIREWALLS, LOAD BALANCERS)

NETWORK INFRASTRUCTURE DESIGN: (LAN/WAN DESIGN, NETWORK TOPOLOGY, SCALABILITY)

CLOUD NETWORKING: (AWS, AZURE, GOOGLE CLOUD, VIRTUAL PRIVATE CLOUDS)

DATABASE MANAGEMENT SYSTEMS (RDBMS) - ORACLE, MS SQL, MY SQL, PERVASIVE SQL