



Baraka Jeff
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Highly skilled cybersecurity professional with a robust background in system automation, network security, and backup solutions. Expertise in designing, implementing, and maintaining secure systems with a focus on scalability, efficiency, and compliance. Adept at leveraging machine learning for intrusion detection and performing hands-on technical work in high-stakes environments.

Cybersecurity professional

Skills

- **Cybersecurity Tools:** Snort, Wireshark, Scapy, MySQL, Rclone
- **Programming Languages:** Python, Bash, JavaScript, HTML, CSS, React
- **Automation & Systems:** Docker, Cron jobs, PostgreSQL, Kali Linux
- **Development Tools:** Visual Studio Code, Figma, Flutter, Dart
- **Other Tools:** Sentry, iSH, Firebase

Experience

Automation Engineer – Alliance Medical (Eastleigh, Kenya)
April 2024 – October 2024

- Designed and implemented automation workflows to enhance medical and administrative processes.
- Automated data collection and reporting systems, significantly improving efficiency and accuracy.
- Led the creation of intrusion detection systems for network traffic, using Snort and Python-based anomaly detection.
- Provided technical training to staff on automated systems while ensuring compliance with industry regulations.
- Conducted regular system assessments, maintaining optimal performance and identifying security vulnerabilities.

System Administrator – Integral Software Technology Ltd (Upperhill, Kenya)
April 2021 – January 2023

- Deployed operating systems and software for client environments, ensuring security and reliability.
- Developed and implemented backup automation scripts for PostgreSQL using Docker and Rclone.
- Collaborated with the team to migrate manual backups for 40+ sites to an automated process.

- Contributed to the front-end development of websites for Alliance Hospital and Integral Information Technology.
- Installed and configured the Integral Hospital Management System in facilities across Kenya and Malawi.
- Enhanced the attachment program by creating innovative solutions for improving team collaboration and efficiency.

Education

Kenyatta university, Degree — *Computer science*

September 2021

Still in session

I am in my fourth year, my last semester .

INSTITUTE OF SOFTWARE TECHNOLOGIES, Diploma — *CYBERSECURITY*

January 2023

Still in session

KCA university, Certificate — *CISCO*

April 2022

Certified Cisco Associate

Awards

CISCO ccna level 1 - ITN

CISCO ccna level 2 - SRWE

CISCO ccna level 3 - NSE

Achievements

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- Promoted to Junior Automation Engineer within 6 months of joining Integral Software Technology Ltd.
 - Successfully deployed automated backup systems for 40+ sites, saving significant time and resources.
 - Recognized for creating efficient, scalable solutions for Alliance Medical and Integral Software projects.