Victor Macharia

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Summary

Victor is an infosec specialist and cloud enthusiast passionate about architecting bridges between the digital divides in the community. With an educational background in chemistry, I am a self-taught IT practitioner for four years now, heavily focusing on building cloud-based solutions using AWS/Azure services and thus cementing a strong foundation in cloud infrastructure design, deployment, and management.

Relevant Projects

Leash

- This is an FIM tool I've written in Rust to track changes to my important files locally thus making sure they have not been compromised.

Kracken

- Not a great fan of *hashcat*, (*john* is my preferred option*)* but have built a simple amazon linux 'crack station' for when brute force is the only way forward by setting up a dedicated spot instance.

Regla

- *Binwalk* is a great tool and can help demystify large data blobs. However, at some point, I've seen it fail to detect some files inside large data blobs (especially images), and I've always felt it is quite slow (probably because it's built with *python*). So, I'm working on a tool that can solve some of those issues, basically, and I'm writing it in Rust.

CTFs

- On a typical weekend, I engage on CTFs with this [team](#) and work on some boxes and labs on these platforms: [HackTheBox](#) and [TryHackMe.](#)

Past Experience

Web Developer at Hostfiti Ltd

Dec 2019 – Jan 2023
- Built websites using *HTML*, *PHP, JavaScript* and *CSS* for more than 100 users
- Preparing website designs and proposals and presenting them to prospective clients
- Spearheaded the development of the *WP Email Manager Plugin* that earned more than 50 subscriptions within the first three months after its launch
- Regularly improving our client's websites by automatically adding the latest plugins
- Developed a WordPress theme from a bootstrap template and added more customizations

Certifications

AZ 900, AWS CCP

Education

- ALX-T Cloud Developer Nanodegree – Udacity, 11/2022
- Introduction to Cybersecurity Bootcamp – Trend Micro, 07/2022
- AWS re/Start Program – AWS, 12/2021
- BS Industrial Chemistry – JKUAT, 06/2019