

Victor Macharia

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Summary

An information security researcher with a knack for digital forensics, web security and system administration. An educational background in chemistry, but an IT practitioner for four years now.

Relevant Work

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 archlinux 'crack station' for when brute force is the only way forward.

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

Dec 2019 – Current

- Built websites using *HTML*, *PHP*, *JavaScript* and *CSS* for more than 100 users
- Preparing website designs and proposals to present to clients and providing technical support to our existing 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