SIMON BLACKS

+852 6447-5093 ◇ Hong Kong SAR ◇ Belgian Citizen

4zv4l@protonmail.com ◇ linkedin.com/in/simon-blacks ◇ github.com/4zv4l

- Cyber Security graduate with experience in Network and Application Security, Pentesting, and Bug Bounty.
- Proficient in using industry-standard cyber security tools (Wireshark, Metasploit, Nmap, Nessus, Ghidra...).
- Familiarity with compliance frameworks such as GDPR and ISO 27001.
- Passionate about IT, especially in cyber security and low-level domain (malware analysis, data forensic).
- Proactive, Efficient and Reliable.
- Bilingual in English and French.

EXPERIENCE

Penetration Tester — Nov 2023 - Present
Bare Cove Technology — *Sheung Wan, Hong Kong*

- Conducted thorough assessments for clients, gaining proficiency in identifying and exploiting security vulnerabilities as part of the learning process.
- Engineered tools to automate penetration test reports, streamlining and enhancing the reporting process.
- Created tailored scripts to address unique challenges during penetration tests, improving overall testing efficiency.
- Developed effective communication skills, ensuring clear and accessible interactions with clients throughout the testing process.

Cyber Security Intern — Feb 2023 - May 2023
Accenture — *Brussels, Belgium*

- Spearheaded an end-to-end project, from conceptualization to successful production release, demonstrating project management and problem-solving abilities.
- Employed low-level programming using the Windows API to develop CliProtect, an innovative solution enabling real-time monitoring of incoming/outgoing data during RDP sessions (shared clipboard).
- Strengthened communication skills through interactions with the CISO and infrastructure team, effectively conveying project updates and addressing their input.
- Gained expertise in advanced techniques of Hooking and DLL Injection, deepening knowledge of cyber-security mechanisms.

System Administrator — Jul 2022 - Aug 2022
Powerdale — *Rhode Saint Genèse, Belgium*

- Implemented a secure WireGuard VPN solution, connecting car chargers to production servers, enhancing network security and enabling seamless communication.
- Successfully migrated production VMs to a private cloud infrastructure, optimizing resource allocation and enhancing scalability.
- Crafted a Ruby script that streamlined the setup of secure SSH keys and accounts, improving operational efficiency and security for production servers.
- Set up Zabbix and Elastic Search for comprehensive server and employee computer monitoring, ensuring prompt identification and resolution of potential issues.

TECHNICAL SKILLS

Forensic Tools	Ghidra, Cutter, Autopsy, Scalpel, Volatility
Networking Tools	NMAP, Wireshark, NetCat, CrowdSec
Firewall	Palo Alto, PfSense, Iptables, UFW
VPN	Wireguard, OpenVPN
Virtualization	VirtualBox, Qemu, VmWare
Containerization	Podman, Docker, Portainer
Databases	MySQL, MariaDB, SQLite, Redis, MSSQL, Duck DB
Web Server	NGINX, Apache, IIS Web Server
Logging	QRadar, Elastic Search, Zabbix
Infrastructure Tools	Active Directory, LDAP, Ansible
Programming Languages	asm x86_64/riscv, C, Rust, Nim, Go, Python, Perl, Janet
Operating System	Linux, FreeBSD, Windows
Teaming Tools	Teams, Slack, Git
FOSS Tools	Unix Pass, Mosh, Neovim, Tmux

PROJECTS

Homelab: Set up a versatile homelab using a ZimaBoard (hackable server) with containerization. This enabled the creation of a personal blog, media server, gitea server, and VPN for secure external access. Utilized RAID1 for data redundancy. (Learn more)

CSCB: Reached the finals of the Cyber Security Challenge of Belgium 2023 with a team of three classmates. Ranked 21st among over 1100 participants. Successfully tackled diverse challenges including binary analysis, programming, OSINT, cryptography, pcap file analysis, and Azure Sentinel log analysis. (Learn more)

Janbreak5: Collaborated with a team member to create a client/server command-line program in a combination of C and Janet, aimed at cracking MD5 hashes. This project was instrumental in enhancing our abilities in programming, version control with Git, database management, and teamwork. (Try it)

JpScan: Collaborated on the development of a tool to search and download French manga scans. Translated a Bash version into Nim, providing cross-platform compatibility and ease of use. (Try it)

Zproxy: Created a Zig-based proxy server to bypass basic firewall rules. Developed to explore the Zig language's low-level capabilities while maintaining a higher level of safety compared to C. (Try it)

EDUCATION

Bachelor of System Security, Henallux   2020-2023
Relevant Courses: Forensic and Cyber Attack Evidence, Governance, Offensive Security, Network Security, Web Security, Malware Analysis, Programming.
Relevant Projects: Developed Ransomware in C, Implemented Remote Shell in C, Executed MSSQL DB Hardening, Administered Active Directory/LDAP, Strengthened Palo Alto/Cisco Network Security.
Relevant Remark: Graduated with **"Distinction".**

LANGUAGE

French, Native; **English**, Fluent

EXTRA-CURRICULAR ACTIVITIES

- Maintain an IT-focused blog, using Jekyll and Markdown to share insights and discoveries.

- Stay active with badmintonm squash and regular jogging, often accompanied by favorite music.

- Showcase musical talents through drum, saxophone and guitar playing.

- Engage in coding as a hobby, regularly participating in "Advent of Code" challenges.

- Enthusiastically pursue Capture The Flag (CTF) challenges on platforms like root-me and hack the box.