

# Simon Blacks

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- 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).
- Bilingual in English and French.

## EXPERIENCE

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### Security System Administrator

Odoo HK Limited

Sai Ying Pun, Hong Kong

Oct 2024 - Present

- Implemented and maintained robust security infrastructure across multiple international offices (Hong Kong, Indonesia, Australia), including firewall and network configuration (OPNsense), ensuring consistent security posture and operational stability.
- Developed and deployed custom automation scripts to streamline critical IT processes, such as user provisioning and event setup, significantly enhancing operational efficiency and reducing manual intervention.
- Ensured compliance with banking system governance standards through rigorous security assessments and documentation, contributing to the organization's adherence to regulatory requirements.
- Delivered comprehensive security and Linux training programs to employees, fostering a culture of security awareness and empowering users with essential technical skills for efficient Linux laptop utilization.

### Penetration Tester

Bare Cove Technology

Sheung Wan, Hong Kong

Nov 2023 - Oct 2024

- 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

Accenture

Brussels, Belgium

Feb 2023 - May 2023

- 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

Powerdale

Rhode Saint Genèse, Belgium

Jul 2022 - Aug 2022

- 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.

## EDUCATION

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### Henallux, Belgium

2020-2023

#### Bachelor of System Security

- 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.
- Graduated with Distinction.

## SKILLS

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**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, Postgres, SQLite, Redis, MSSQL, Duck DB

**Web Server:** NGINX, Apache, IIS Web Server

**Logging:** QRadar, Elastic Search, Zabbix

**Infrastructure Tools:** Active Directory, LDAP, Ansible, Guix

**Programming Languages:** asm x86\_64/riscv, C, Zig, Rust, Nim, Go, Python, Perl, Janet, Guile

## PROJECTS

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Zisp 2025

Simple Lisp like interpreter made in Zig. **Try it**

Guix Channel 2025

Set up a Guix Channel to distribute custom software packages, with a substitute server in development to enhance deployment. **Check it**

Z8B 2024

Created a simple virtual 8bit cpu in Zig with an assembler in Perl. **Try it**

Homelab 2023

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 2023

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**

## LANGUAGE

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**Languages:** French (Native), English (Fluent)

## EXTRA-CURRICULAR ACTIVITIES

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- Stay active with badminton, 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.