JAAKKO OJA

Cybersecurity Specialist & Network Engineer

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Portfolio

EDUCATION

Bachelor of Engineering, ICT
Tampere University of Applied Sciences   2023-2027

Core themes include Cybersecurity, Networking and Telecommunications

Further vocational qualification, Safety / Security
Turun Aikuiskoulutuskeskus   2018-2019

LANGUAGES

- Finnish (Native) • English (Fluent) • Swedish (Basics)

ABOUT ME

Motivated 3rd-year ICT student with a strong Purple Team - mindset, combining offensive tradecraft with defensive monitoring. Actively building enterprise-grade Active Directory labs to simulate real-world threats. I possess practical experience in incident reporting, crisis management, and implementing technical solutions for educational use. Seeking a trainee or junior role in SOC operations, penetration testing, or network engineering where I can apply my hands-on skills in incident response and vulnerability assessment.

TECHNICAL PROJECTS

Active Directory Exploitation Lab (Ongoing Home Lab)
- Deployed a virtualized corporate network to simulate the full kill-chain.
- Executed identity-based attacks including Kerberoasting, Golden Tickets, and AS-REP Roasting using NetExec, Impacket and BloodHound.
- Produced clear, step-by-step documentation of the attack chain phases to serve as internal learning material for students/teams.

Thesis: Command & Control Frameworks (TAMK)
- Researched modern adversary tradecraft using the Mythic C2 framework.
- Demonstrated fileless malware execution on Linux using memfd_create to bypass disk-based detection mechanisms.

Software-Defined Radio Implementation (Intern)
- Configured Raspberry Pi and CaribouLite hardware for signal analysis.
- Produced comprehensive technical documentation for university curriculum usage using SDR++ and SDRAngel.

TECHNICAL SKILLS

Offensive Security
- Active Directory Exploitation
- Metasploit Framework & Burp Suite
- C2 Operations (Mythic)
- Network Reconnaissance (Nmap, Wireshark)
- Privilege Escalation (Windows/Linux)

Defensive Security & Networking
- SIEM & Monitoring (SecurityOnion, Wazuh, Suricata)
- MITRE ATT&CK Framework
- Cisco Routing & Switching (CCNA ENSA / SRWE)
- TCP/IP, DNS, DHCP, VLANs, VPN

Infrastructure & Scripting
- Windows Server Administration
- Linux Management (Debian/Ubuntu)
- Virtualization (VMware, VirtualBox, Docker)
- Python, Bash, PowerShell
- Azure Fundamentals
- SQL

CERTIFICATIONS

- CCNA: Switching, Routing, and Wireless Essentials
- CCNA: Enterprise Networking, Security, and Automation
- Cisco Ethical Hacker
- Cisco CyberOps Associate
- Microsoft Skills for Jobs: Azure Fundamentals
- Microsoft Skills for Jobs: Cybersecurity Architect
- Cisco Introduction to Cybersecurity

PROFESSIONAL EXPERIENCE

Intern | Tampere University of Applied Sciences(2025)
- Technical Implementation: Configured Raspberry Pi and CaribouLite hardware to conduct practical Software-Defined Radio (SDR) signal analysis.
- Curriculum Development: Authored comprehensive technical documentation
- Achievement: The produced guides were integrated directly into the university's curriculum to enhance hands-on learning for future ICT students.

Shift Supervisor & Field Manager | Securitas Oy(2021 – 2023)
- Incident Response: Acted as the primary point of contact for critical security incidents and breaches across client sites.
- Reporting: Authored detailed incident reports and maintained precise shift logs for legal and compliance purposes.
- Crisis Management: Led field teams in high pressure situations, utilizing de-escalation techniques to resolve conflicts effectively.
- GDPR Basics