

Atahan Emir Kucuk

Security Engineer

Seeking a challenging and rewarding role as a cybersecurity and/or network engineer. I have a degree in cybersecurity and network engineering technology from Purdue University and experience in incident response, digital forensics, vulnerability analysis, network design and security. I am eager to contribute to the mission and vision of the corporation by providing innovative and reliable solutions.

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EDUCATION

Bachelor of Science in Cybersecurity & Network Engineering Technology Purdue University

08/2018 - 12/2022

West Lafayette, Indiana, USA

Courses

- Computer and Mobile Forensics
- Systems Analysis and Design
- Object Oriented Programming
- Internet Design and Implementation
- Systems Programming and Administration
- Vulnerability Analysis
- Wireless Networking
- Incident Response Management
- Network Administration and Security
- Cybersecurity and Database Fundamentals

PERSONAL & COURSE PROJECTS

TryHackMe (12/2022 - Present)

- Completed over 70 active rooms and ranked in the top 3% on TryHackMe: [my profile](#), an online platform for learning and practicing cybersecurity skills.

Homelab (05/2022 - Present)

- Constructed and configured home lab with Raspberry Pis running PiKVM and Pi-hole, and Ubuntu Server with automated deployment of Docker containers of 10+ services with Ansible playbook, resulting in an 80% reduction in deployment time.

Cybersecurity Projects (08/2018 - 12/2022)

- Designed and deployed enterprise network with 9 hosts in accordance with Computer Incident Response Plan (CIRP); tested and monitored security using ELK Stack, OSSEC, and simulated attacks based on Confidentiality, Integrity, and Availability (CIA) triad; hardened Ubuntu servers, increasing OS security by 50%.
- Achieved 95% data loss reduction by recovering data from computers and mobile devices using disk and data capture tools; applied cyber forensics techniques and disaster recovery plans, ensuring data integrity and security.
- Assessed and exploited vulnerabilities on web applications (Metasploitable 2, DVWA, Websploit) and Windows 10 using scanning tools (Nmap, OpenVAS), exploitation tools (Burp Suite, msfconsole), and reconnaissance tools (metagoofil, Shodan, recon-ng, Maltego), found and fixed critical vulnerabilities that lowered the risk exposure by 30%.

Networking Infrastructure Projects (08/2018 - 12/2022)

- Spearheaded the design, configuration, and testing of enterprise wired and wireless networks using industry-leading Cisco, Aruba, and Ubiquiti products and different routing protocols such as Static, RIP, EIGRP, and OSPF; resulting in a 30% improvement in network performance and security.
- Tested VPN protocols such as OpenVPN, IPsec, and L2TP using pfSense and VyOS firewalls and Active Directory domain controllers on the network; enhanced remote access and VPN security and reliability by 40% for 15 hosts and 6 network zones.
- Supervised and mentored a team of 3 network administrators to devise a network plan including 12 hosts and 4 network zones implementing firewall zones, AD, load balancer, proxy, DNS, and a mail server; achieved a 30% reduction in network downtime, latency, and errors.

TECHNICAL SKILLS

Knowledge

Virtualization, Intrusion Detection, Risk Assessment, Troubleshooting, OSINT, SIEM, IAM, Social Engineering, Incident Response

Networking

TCP/IP, Routing Protocols, VPN Protocols, VLANs, Switching, 802.1x, Wireless Networking, Firewalls

Programming Languages

Python, Java, C, C#, SQL, Bash, JavaScript, CSS, HTML

Tools

Docker, Burp Suite, Metasploit, Wireshark, Nmap, Ansible, Git, Elasticsearch

Operating Systems

Windows, Linux, macOS

CERTIFICATES

EC-Council Certified Ethical Hacker (CEH)
(09/2017 - 09/2023)

LANGUAGES

English

Native or Bilingual Proficiency

Turkish

Native or Bilingual Proficiency

French

Professional Working Proficiency

INTERESTS

Chess

Gaming

Hacking

Languages

Mountain Biking

Photography

Travelling