Kadir Semih Yildirim

Go Backend Developer | Cybersecurity | Active Directory Security

kadiirylldrrm@gmail.com | linkedin.com/in/kadir-semih-yildirim | github.com/KDRSMH | Mersin, Turkey

EXPERIENCE

Cybersecurity Intern — Zerone Security

July 2025 – September 2025 | Remote

- Built a segmented network lab using VirtualBox with pfSense routing; configured DNS, DHCP and FTP services.
- Created and exploited SQL Injection, XSS and Command Injection vulnerabilities in a PHP web app, then patched them.
- Performed reverse shell and privilege escalation scenarios; applied Linux hardening techniques.
- Developed a malware database by crawling samples from multiple sources and logging static analysis results.

PROJECTS

Noxar (Go)

Fast and concurrent network reconnaissance CLI tool. Performs port scanning, DNS resolution and service discovery using goroutines and channels.

github.com/KDRSMH/Noxar

Corvus (Python)

Active Directory security audit tool that detects misconfigurations, Kerberoasting, AS-REP Roasting and privilege escalation paths.

github.com/KDRSMH

SkyShell (C / Linux)

Custom Unix shell with cybersecurity-oriented features built with system calls.

github.com/KDRSMH

VisionAssist (Python / AI)

AI-powered mobile camera assistant for visually impaired users providing real-time object detection and spatial awareness.

github.com/KDRSMH

PyAES (Python)

AES-256 encryption/decryption tool for secure file and text operations.

github.com/KDRSMH

EDUCATION

Mersin University — B.Sc. Information Systems and Technologies

2022 – 2027 (Expected) | Mersin, Turkey

CERTIFICATIONS & ACHIEVEMENTS

- **Certified Associate Penetration Tester (CAPT)** — HackerViser
- **Introduction to Cybersecurity** — Cisco
- **Teknofest 2024 — AI in Healthcare** — Finalist
- **Siber Vatan Platform** — Active Member
- **TryHackMe** — Active — Junior Pentester Path

TECHNICAL SKILLS

Languages	Go (Golang) · Python · C#
Cybersecurity	Penetration Testing · Active Directory Security · Network Recon · Malware Analysis
Tools & Platforms	Nmap · Wireshark · Metasploit · John the Ripper · Burp Suite · pfSense
Operating Systems	Arch Linux · Kali Linux · Ubuntu · Windows
Other	Git · VirtualBox · Docker (basic) · CTF Competitions