

Yusuf İslam ÖZAYDIN

Istanbul / Türkiye

+90 (551) 033 8426 | yusufislamozaydin@gmail.com | [kapatalcs.github.io](#) | [GitHub](#) | [LinkedIn](#)

Summary

I am a second-year Computer Engineering student shaping my career as a Purple Team Security Engineer. I combine my expertise in Linux system administration, network security and automation with my studies in reinforcement learning to focus on modern security solutions. I am actively developing my offensive and defensive cybersecurity skills.

Education

Istanbul Beykent University

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Istanbul, Türkiye

Aug 2023 – June 2028(*expected*)

Skills

Programming Languages: Python, C, C#, Bash Scripting.

DevOps & Automation: SaltStack, Docker, HAProxy, Linux System Administration (Debian/Ubuntu), APT Package Management.

Security: Network Security (TCP/IP, DNS), Cryptography (AES, RSA), OWASP Top 10, Penetration Test Tools (Basic).

Web Development: Flask, WordPress.

Projects

SaltStack Developer Environment Automation

- Designed and implemented an automated configuration management script using SaltStack.
- Streamlined the setup process for user workstations, reducing software installation time by automating dependency management.

SaltStack Wordpress Automation

- Automated the deployment of a Wordpress architecture using SaltStack and Docker.
- Configured HAProxy as a load balancer to ensure high availability and optimized server performance. Managed user setup and permission handling automatically through configuration scripts.

Python Network Port Scanner

- Created multi-threaded network utility tool to scan TCP ports. Used for network security analysis to identify open ports and potential vulnerabilities.

Advanced AES Encryption Tool

- Developed a CLI tool in Python for secure text encryption and decryption.
- Implemented multiple AES modes of operation (CBC, CFB, OFB, CTR, GCM) to demonstrate deep understanding of cryptographic standards.

Encrypted Chat Application

- Engineered a multi-user, CLI-based chat application ensuring private communication.
- Integrated RSA encryption to secure message payloads between clients and the server.

Secure Password Manager

- Developed a local application to securely store and retrieve user account credentials.
- Applied hashing and encryption techniques to protect sensitive data at rest.

Interests

Game Development Developing games using Unity, improving programming and problem-solving skills.

Music Knowledge of music theory and making beats as a producer in the past.

Volleyball Former semi-licensed volleyball player.