Yusuf İslam ÖZAYDIN

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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   *Istanbul, Türkiye*
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING   *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.