

Cenk Orfa

Software Engineering Student

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Final-year Software Engineering student focused on **DevSecOps and System Security**, with practical experience in **Linux (Arch/Debian)** and **Docker** ecosystems. Passionate about process optimization and secure system operations.

Experience

IT Intern | Koroplast

- Managed workstation setup and operating system provisioning processes.
- Maintained and ensured the continuity of physical infrastructure, including network peripherals, printers, and CCTV camera systems.
- Provided on-site technical support to maintain system uptime and operational efficiency for internal users.

Technical Skills

- System & DevOps:** Advanced proficiency in Linux (especially Arch and Debian) environments; experience in infrastructure management and deployment using Docker, Docker Compose, and Coolify (PaaS).
- Version Control & Tools:** Proficiency in version control with Git, process automation with Bash Scripting, and virtualization technologies.
- Programming Languages:** Strong coding and problem-solving skills in Rust for system programming, and Python for automation and deep learning projects.
- System Hardening:** Experience in VDS management and building secure system architectures via UFW and SSH protocols.
- Cybersecurity:** Mastery of network fundamentals including TCP/IP and DNS management; knowledge of SOC concepts, log analysis, and web application security in compliance with OWASP standards.

Achievements & Projects

- Security Automation:** Developed a TensorFlow-based deep learning model to eliminate manual log review processes, increasing the speed and accuracy of anomaly detection in syslog and auth.log files.
- Network Resilience & Privacy:** Conducted technical research on the design and feasibility of censorship-resistant communication protocols by simulating surveillance mechanisms and DPI techniques.
- Secure Software Standards:** Currently developing an end-to-end encrypted communication infrastructure with minimized security vulnerabilities by leveraging the memory safety advantages of Rust within the Mailora project.

Interests

- Open Source & Systems:** Rust/Python projects, Arch Linux and Hyprland customizations.
- Self-Hosting & AI:** Personal VDS management, NLP and LLM integration research.

Education

B.Sc. in Software Engineering | Beykent University | İstanbul
September 2022 – Present