

HALİL İBRAHİM DÜRMÜŞ

DEVSECOPS ENGINEER

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■ PROFILE

I am a DevSecOps engineer responsible for the full delivery chain at Ayssoft: GitHub Actions CI/CD across more than 90 container-based repositories, and a self-hosted Proxmox estate where I have provisioned, configured and managed over 100 virtual machines to date. I came to infrastructure from full-stack Java and React development, which shapes how I work: hardening, secret management and observability that development teams adopt rather than route around. I am currently preparing for OSCP+ and CKS, and working towards a security architecture role in an international engineering team.

■ EDUCATION

MSc in Software Engineering — in progress Sep 2026 – Present
İnönü University · Graduate School · Thesis track · Malatya, Türkiye

BSc in Software Engineering Oct 2021 – Jul 2026
İnönü University · Faculty of Engineering · Malatya, Türkiye

■ PROFESSIONAL EXPERIENCE

DevSecOps Engineer May 2025 – Present
Ayssoft Bilgi Teknolojileri · Malatya, Türkiye

- Sole DevOps engineer, owning the entire delivery chain from commit to production across **90+ container-based repositories** built and deployed with GitHub Actions.
- Design and operate self-hosted infrastructure on Proxmox VE: **100+ virtual machines** provisioned and managed to date across multiple nodes running Docker workloads, HAProxy and Nginx reverse proxies, and database services.
- Integrate security controls into the pipeline: SAST and software composition analysis, container image scanning with Trivy, centralised secret management with HashiCorp Vault, and least-privileged registry and access tokens.
- Lead production incident response, including Proxmox LVM thin-pool exhaustion, Redis AOF corruption, MySQL 8 physical restores, Kafka offset recovery and multi-tenant Docker stack failures.
- Standardised CI/CD with reusable GitHub Actions workflows and BuildKit layer caching, eliminating redundant pipeline code and reducing build times across the portfolio.
- Designed the technical hiring process for DevOps candidates: hands-on test cases and review checkpoints built on the company's actual in-house stack.

Junior DevSecOps Engineer Dec 2024 – May 2025
İnönü University · Digital Transformation Office · Malatya, Türkiye

- Managed CI/CD processes for applications developed in-house by the university.
- Configured and maintained Linux application servers, Nginx reverse proxy rules and TLS termination for internal and public-facing services.
- Carried out application deployment, systemd service management, user and permission management, and baseline server hardening.
- Documented deployment and server configuration procedures so projects transfer seamlessly between student development teams.

■ TECHNICAL SKILLS

Platforms & Infrastructure

Linux · Proxmox VE · Docker · Kubernetes · AWS · Nginx · HAProxy

CI/CD & Automation

GitHub Actions · Jenkins · Argo CD · Terraform · Ansible · Bash · Watchtower

Security

Secure SDLC · SAST / SCA · Trivy · HashiCorp Vault · OWASP Top 10

Monitoring & Observability

Prometheus · Grafana · ELK Stack · Sentry

Databases

PostgreSQL · MySQL / MariaDB · MSSQL · Redis · MongoDB · Cassandra

Development

Java (Spring Boot) · Python · React · Git · Jira

■ CERTIFICATIONS

OSCP+

OffSec Certified Professional — in preparation

CKS

Certified Kubernetes Security Specialist — in preparation

■ LANGUAGES

Turkish — Native

English — CEFR B1-B2

Reading B2 · Listening, speaking & writing B1

Founder & Manager

Aug 2023 – Dec 2024

Unity Dev Group · Muğla, Türkiye

- Founded and managed a software development company, personally overseeing both delivery and business operations: customer acquisition, project scoping, pricing and delivery commitments.
- Led the development team across task allocation, code reviews and release planning; mentored junior developers on version control and deployment practices.
- Delivered custom web and application projects end to end, from requirements analysis through deployment, balancing client communication with technical delivery.

Penetration Testing Intern

Jul 2024 – Sep 2024

ShiftSoft Software Technology · Muğla, Türkiye

- Completed the compulsory summer internship of the Software Engineering programme in the company's software security department.
- Conducted penetration tests on the company's own products: reconnaissance, authentication and authorisation testing, and common web vulnerability categories aligned with the OWASP Top 10.
- Reported findings to the development team with reproduction steps, impact assessments and remediation recommendations.

Software Engineer

Jun 2021 – Aug 2023

Rextabi Creative · Muğla, Türkiye

- Developed full-stack web applications with Java (Spring Boot, JPA) on the back end and React on the front end.
- Designed relational database schemas and REST APIs; managed features through every stage from requirements analysis to production release.

SELECTED PROJECTS

databases-stack

[halilibrahimd27/databases-stack](#) ↗

Self-hosted data platform — 12 engines (PostgreSQL, MongoDB, Redis, SQL Server, Cassandra, Elasticsearch, Kafka, ClickHouse, Neo4j...) toggled from a control panel: memory-aware auto-sizing, automatic primary-to-replica failover behind a stable endpoint, scheduled backups with automated restore drills, built-in Prometheus + Grafana and internal TLS; Docker Compose and Kubernetes-ready.

cheat-sheet

[halilibrahimd27/cheat-sheet](#) ↗

Interactive offensive-security reference — 5,000+ pentest commands across 50+ categories with instant search, full CRUD and write-ups; OSCP / OSWE / CPTS / CKS exam-prep ready, Docker-deployable.

The DevSecOps Handbook

[halilibrahimd27/devsecops-handbook](#) ↗

Bilingual (TR/EN) DevSecOps handbook — 134 deep-dive docs (~85K lines) across 21 topics with production checklists; includes a 28-day AWS + Terraform + EKS implementation guide.

api-sentinel

[halilibrahimd27/api-sentinel](#) ↗

Zero-config, severity-aware monitoring for third-party API schema changes; plugin-based alerting, auth and storage on FastAPI + APScheduler.

wakapi-admin

[halilibrahimd27/wakapi-admin](#) ↗

Self-hosted coding-time analytics stack (Wakapi, PostgreSQL, Prometheus, Grafana) with a custom Flask admin panel: real-time active users, AI-editor detection, PDF reports and a team leaderboard.

VOLUNTEERING

İnönü University Cyber Security Community

Manager · Sep 2025 – Present

Progressed from Member (2023–24) and Board Member (2024–25) to Manager. Plan the community's annual activity programme, coordinate the board, represent the community within the university, and run hands-on technical workshops introducing students to security fundamentals.

STRENGTHS

- Incident management under pressure
- Ownership & autonomous working
- Technical mentoring & coaching
- Technical training & knowledge transfer
- Technical documentation
- Client communication & requirements gathering
- Technical interviewing & candidate assessment