

Muhammed Maksut Çakmaktaş

Cybersecurity · Penetration Testing and System Hardening

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SUMMARY

Computer engineer with a cybersecurity internship documented by a company-sealed report, followed by hardening work carried out on a live client system: I locked the admin surface behind an IP allowlist, put a WAF and resource ceilings in place, and closed the holes behind the 74,526 blocked attack attempts sitting in the logs. My own product passed an external security assessment with no critical and no high findings. Udemy cybersecurity course completed; TryHackMe and eJPT in progress.

EXPERIENCE

Cybersecurity Intern

July – August 2025 · 20 working days

Cyber4 Intelligence Bilişim A.Ş. · Ankara, Türkiye

- Ran the full reconnaissance → vulnerability scan → exploitation → reporting cycle across 20 working days on Kali Linux using Nmap, Metasploit, Wireshark and Bettercap; the programme is documented by a company-sealed internship report with a day-by-day attendance sheet.
- Solved Hack The Box CTF scenarios to practise those tools in a controlled, authorised lab.

CLIENT WORK

Freelance Developer / Technical Consultant

August 2026 – present

Optimist Akademi (online education platform) · Istanbul · remote

First paying corporate client. Speed, infrastructure, security and management tooling for a live WordPress / BuddyBoss / LearnDash education platform.

- Hardened the server by locking the admin panel to three IPs and adding a WAF challenge rule, a PHP-FPM worker ceiling (250 → 8-20) and a request timeout limit (7,200 s → 300 s); this closed off the 74,526 blocked attack attempts sitting in the logs and neutralised an active credential-hunting bot making 892 requests in three minutes.
- Lifted email deliverability from 5.6 to 8.7/10 (mail-tester) — every message from the site had been landing in spam — by fixing the authentication records and re-establishing delivery through Amazon SES.
- Migrated three sites off an end-of-life CentOS 7.9 / Plesk server onto Ubuntu 24.04 / PHP 8.3 / MariaDB 11.4 with no data loss; the old server was decommissioned only after a restore-from-backup drill returned 'Restore successful'.
- Repaired WebP delivery with an nginx Accept map (163 KB → 118 KB, verified from the edge) and brought the Redis object cache back into service.

SELECTED PROJECTS

maksutcakmaktas.com — personal portfolio

Next.js 16 · React 19 · TypeScript · Tailwind 4

- Built a trilingual personal site single-handed, each language on its own indexable route: 151 source files, 96 components, 89/89 tests green.
- Passed an external security assessment with no critical and no high findings, using a nonce-based content security policy, browser permissions switched off, and a hidden admin surface behind a signed session.
- Diagnosed why the site locked up on Mac: the device-hint-based low-performance escape hatch could never fire on WebKit, which left 37 mitigation rules as dead code. Replaced it with frame-rate-based detection plus a WebKit-specific layer reduction, bringing down the ~284 MB of composited layer memory Retina was carrying.

Intent-Spec Studio

Security / policy tool · React 19 · fully client-side

- Wrote a tool that turns a legitimate security request into a clear specification without bypassing filters — by adding the missing context instead: four-layer classification, a hard stop on out-of-bounds requests, a five-element spec builder and a seven-point self-audit. No network requests, no logging, no telemetry; data never leaves the browser.

All Eye — terminal mentor

Open source · Python

- Wrote a local mentor tool that detects the moment you get stuck from terminal history without calling a language model, with zero third-party runtime dependencies; 607 tests pass in ~11 seconds and 69 of 72 mutation tests came back red, proving the suite actually protects the code.
- Cut chunk latency in the answer window from 1,094 ms to 0 ms; tier-1 response measured at 1.5 s and the console-less daemon at ~31 MB. Everything bound for the cloud passes through a secret redactor verified against 14 real command lines.

EXPERIENCE (CONTINUED)

IT Support

January – June 2025 · 6 months

İŞKUR — IT Department

- Provided first-line support for internal hardware, software and basic network faults over six months, running routine maintenance and troubleshooting independently.

SAP PI/PO Integration Intern

August – September 2025

Negzel Technology · Istanbul, Türkiye

- Studied data flows between enterprise systems (IDoc, ICO) on SAP PI/PO and gave technical support on integration tasks, learning first-hand how an enterprise integration layer is operated end to end.

TECHNICAL SKILLS

USED IN PRODUCTION

Languages: Python · TypeScript / JavaScript · Rust (Tauri) · PHP (WordPress operations) · SQL

Web and UI: Next.js 16 · React 19 · Tailwind CSS 4 · Framer Motion · Vite · Electron

Artificial intelligence: Claude API · Gemini / Groq / Ollama · RAG / knowledge-base generation · multi-provider failover

Infrastructure and operations: nginx · CloudPanel / Plesk · Cloudflare · Vercel · Redis · SQLite / PostgreSQL (Supabase)

Quality: Vitest · pytest · mutation testing · accessibility (WCAG) · Lighthouse / PageSpeed measurement discipline

Signal processing: librosa · Demucs · basic-pitch · hnswlib / faiss

COURSEWORK / INTERNSHIP LEVEL

Security tooling: Kali Linux · Nmap · Metasploit · Wireshark · Bettercap · Hack The Box

Enterprise: SAP PI/PO · IDoc · ICO · ISO 27001 · GDPR / KVKK

Other: C · C++ · C# · MATLAB · Unity 2D/2.5D (course project) · Arduino · Raspberry Pi · Swift · Kotlin

CERTIFICATION AND LEARNING

- Udemy Cybersecurity course — completed (2026)
- TryHackMe Jr Penetration Tester Path — in progress
- eJPT (eLearnSecurity Junior Penetration Tester) — preparing for the exam

EDUCATION

BSc Computer Engineering 2021 – January 2026
Osmaniye Korkut Ata University
Final project: image classification by training GoogleNet with the MATLAB Deep Learning Toolbox.

LANGUAGES

Turkish — native · English — professional working proficiency

Every figure in this CV comes from a project record and its source can be shown on request.