

Teo Can Kocagül

Software Developer | Application Security | Networking & IoT

Open to remote · German citizen (EU work authorization)

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SUMMARY

Final-year Management Information Systems student (graduating June 2027) and software development & security intern. Builds web and mobile apps end to end (TypeScript, Node.js, Laravel/PHP, React Native, PostgreSQL, MariaDB), runs AI-assisted penetration tests with OWASP-aligned reporting, and works hands-on with networking, IoT and OT/ICS security. Uses Claude Code with custom sub-agents and rule files under strict code review.

EXPERIENCE

Big Teknoloji | Intern, Software Development & Security | Remote Jul 2026 – Present

- Sole developer of a field-staff attendance app and API for a public-transport operator: Expo/React Native (TypeScript), Node.js/Express and PostgreSQL, with 780+ automated tests (Jest, Vitest).
- Built server-side shift verification (GPS check, live POS-terminal photo, daily assignment), a supervisor dashboard with push alerts, email 2FA, argon2 hashing and rate limiting; maintain an OWASP Mobile Top 10 compliance matrix.
- Run AI-driven white-box penetration tests with Strix (Docker) on company web and mobile projects; triage authentication and injection findings, write severity-ranked, OWASP-aligned reports and retest fixes.
- Self-service IoT kiosk heading into series production: selected the hardware and configuration, designed the internal layout and operating flow with the team and supported project management; own the PC and display components and integration testing.

Indas Cyber Security | OT/IT Cybersecurity Intern Aug 2025

- At a Siemens OT security and Fortinet partner, studied industrial control systems (SCADA, HMI, PLC), OT network architectures and protocols, and how OT security priorities (safety, availability, continuity) differ from IT.

PROJECTS

fahrschulescout.ch | Creator & Developer | Live 2026 – Present

- Built and launched (Oct 2026) a directory for driving schools across the German-speaking Swiss cantons with location search, contact requests and tiered premium listings by canton and municipality.
- Laravel 12, PHP, MariaDB, Filament, Tailwind CSS, Postmark; Plesk hosting, DNS and mail run end to end; Stripe payments in progress. CI quality gates: Pest (150+ test files incl. Playwright), PHPStan level 8, Lighthouse CI.
- Designed a Claude Code workflow in which a custom sub-agent checks every change against the codebase and blocks breaking edits; strict rule files enforce quality and security standards.

Doğu A.Ş. Stock & Process Management System | Backend Developer, team of 4 Dec 2025

- Replaced paper records for a construction-materials company: quotes, stock with critical-level alerts, purchase and sales orders, an analytics dashboard, role-based access and an audit log.
- Built the Node.js/Express/PostgreSQL backend and deployed it on a VDS behind Nginx (frontend: Nuxt, Tailwind CSS, Chart.js); 5-week Scrum, tested by company staff.

Network Event Prioritization & Decision Support System | Course project Jan 2026

- Node.js/Express REST API on MySQL (MVC) that scores network security events (DDoS, phishing) into risk levels and manager decision support, with validation, logging and enforced business rules. Code: github.com/teocanKS/kdsagolayproje

Smart Home & IoT 2024 – Present

- Run a personal Home Assistant smart home with Zigbee and Matter devices; built a Raspberry Pi 5 home automation system with an AI assistant as an IoT course project (team of 2, 2024).

SKILLS

Languages: TypeScript, JavaScript, PHP, Python, SQL, HTML5, CSS3

Frameworks: Node.js, Express, Laravel, Filament, React Native (Expo), Vue.js, Nuxt, Tailwind CSS, REST APIs

Databases: PostgreSQL, MariaDB/MySQL

Testing & Quality: Jest, Vitest, Pest, Playwright, PHPStan, code review (incl. AI-generated code), API and mobile testing, debugging

Security: Penetration testing (Strix), vulnerability triage and reporting, OWASP Top 10 (fundamentals), OWASP Mobile Top 10, ICS/OT fundamentals (SCADA, PLC, HMI), Nmap (basic), Wireshark

DevOps & Tools: Git, GitHub Actions, Docker, Linux, Nginx, Plesk, DNS and mail, Claude Code (sub-agents, rule files, plugins)

Networking & IoT: Network design, switch configuration, structured cabling, fiber, Raspberry Pi, Home Assistant, Zigbee, Matter

Methods: Scrum, SDLC, requirements gathering, project management

Spoken languages: Turkish (native), English (C1), German (A2)

EDUCATION

Dokuz Eylül University | B.Sc. Management Information Systems Sep 2023 – Jun 2027 (expected)

Relevant coursework: Database Management Systems, Artificial Intelligence, Big Data & Business Analytics, ICT Management

CERTIFICATIONS

Cisco Introduction to Cybersecurity · Cisco Networking Basics · TryHackMe Pre Security · Coderspace Cybersecurity School