

Görkem Karyol

Web Developer, Student

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Aspiring Web Developer and Computer Engineering student with a passion for building robust, user-centric web applications in collaborative settings.

Skills: TypeScript, JavaScript, Express, Node.js, Bun, Linux, Docker, Python, Redis, SQL, PostgreSQL, Version Control (Git), Cloudflare, Dokploy, GoLang, REST APIs, API Documentation, Next.js, Astro, React, TailwindCSS

Certification: Learn React (Oct 2025), Learn Go Course (Aug 2025), Learn Node.js Course (Feb 2025), Design Databases with PostgreSQL Skill Path, (Jan 2025), Building Interactive JavaScript Websites Course (Dec 2024)

Languages: Turkish (Native), English (Full Working Proficiency), German (Elementary), French (Elementary)

Education

BE Computer Engineering (English) Sep 2021 – 2026 (Expected)

- Halic University - İstanbul, Türkiye

Projects

AI-SaaS-Generator

Production-ready AI image platform featuring a "Smart Hybrid Engine" that optimizes API costs by dynamically routing between Gemini models. Engineered a high-speed backend using Bun and Supabase with content-hash caching to eliminate redundant AI generation.

Tech Stack: Bun, Express, React, TypeScript, Supabase, Cloudinary, Google Gemini API

E-Commerce-API

Developed a comprehensive RESTful backend system for online stores, managing complex logic for product catalogs, cart handling, order processing, and inventory tracking. Architected with Express.js and TypeScript, and integrated with Supabase for scalable data storage alongside robust JWT-based secure authentication.

Tech Stack: Node.js, TypeScript, Express.js, Supabase, JWT

Work Experience

Holala | Full Stack Engineer, Full-time

Feb 2026 – Present

- Built a high-performance AI SaaS for e-commerce photography using Bun.js, React, and TypeScript.
- Architected an asynchronous AI pipeline using webhooks to handle high-concurrency GPU bursts without dropping requests or hitting rate limits.
- Reduced AI payload sizes by 90% by implementing Cloudflare Images for on-the-fly compression of R2 storage assets.
- Designed a strict, type-safe monorepo with Turborepo and Drizzle ORM to enforce seamless client-server data boundaries.
- Optimized frontend rendering state by implementing advanced deduplication and caching strategies with TanStack Query, eliminating race conditions during real-time image generation.

Opet | Cyber Security Intern, Internship

Jul 2024 – Aug 2025

- Conducted vulnerability assessments using tools such as Kali Linux and categorized findings by severity.
- Developed custom security tools in Go, including a port scanner with service detection and a hash-cracking utility.
- Analyzed and compared vulnerability reports from multiple external vendors to identify overlaps and gaps in findings.

Volunteering

Google Developer Groups on Campus Halic | Core Member, Project Team Member

Sep 2024- Present

- Collaborating with my team to design and build applications that offer practical solutions to real-world challenges.
- Gaining hands-on experience in managing projects and working in a collaborative environment, all while making a positive impact within the university's tech ecosystem.
- Working with the social media team to create fun and engaging social media content to promote our events and showcase what we're doing.
- Actively participating in both community-focused initiatives and internal project development to support our team's mission and outreach.