

# Hazar Aliyazıcıoğlu, Backend Developer

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## LINKS

[Github](#), [Portfolio](#), [LinkedIn](#)

## PROFILE

Software developer specializing in ASP.NET Core and modern backend architectures. Experienced in scalable RESTful APIs, database optimization, and secure system design. I focus on building high-performance, production-ready enterprise solutions that accelerate development workflows with next-generation tools, supporting business growth.

## SKILLS

ASP.NET Core	Rest API
Node.js	Redis
JavaScript	Git
MySQL	Docker & Kubernetes
C#	Microservices

## EXPERIENCE

Aug 2024 — Present

.NET Developer, Freelance (Self employed)

İstanbul

- End-to-End Product Development:** Architected and deployed custom Content Management Systems (CMS) and operational web applications from scratch for real-world businesses (e.g., veterinary clinic) using ASP.NET Core and C#.
- Database & Architecture Optimization:** Modeled complex data relationships using Entity Framework Core; executed advanced query optimizations that significantly increased data retrieval speeds and minimized server load.
- Security & API Integration:** Implemented Role-Based Access Control (RBAC) standards to ensure system security, developing scalable RESTful APIs supporting 3+ distinct user permission levels.
- Deployment & Server Management:** Managed the configuration, deployment, and live production hosting of developed applications via Plesk, taking full ownership of the release cycle.

Sept 2025 — Dec 2025

IT Support & Software Intern, Sultangazi Municipality

İstanbul

- Corporate IT Operations & Support:** Delivered comprehensive technical support across the municipality's extensive IT infrastructure, diagnosing and resolving hardware, software, and network issues for hundreds of end-users to ensure uninterrupted public services.
- Software Maintenance & Troubleshooting:** Actively collaborated with the internal software unit to maintain, debug, and troubleshoot enterprise-level applications, gaining hands-on experience in real-world system deployments and operational continuity.
- Cross-Functional Communication:** Bridged the gap between technical development teams and non-technical staff by effectively translating complex system errors into actionable solutions, significantly improving daily departmental efficiency.

Aug 2025 — Dec 2025

Software Developer, Civilex

İstanbul

- Client-Server Architecture:** Engineered a high-performance web application for Civilex.AI, establishing a robust architecture that seamlessly handled data rendering and supported operations for 11+ team members.
- API Integration & Security:** Designed and implemented secure third-party integrations, utilizing the Brevo API for reliable transactional email delivery (+99.8% success rate) and deploying advanced CAPTCHA defense mechanisms that reduced spam traffic by 90%.
- System Optimization:** Optimized platform rendering performance and data delivery workflows, leveraging advanced lazy loading techniques to consistently achieve sub-2s response times across all devices.
- Interactive Data Management:** Developed dynamic, stateful UI components (e.g., advanced team pagination) using vanilla JavaScript, ensuring efficient client-side data handling without overloading the server.

- **Memory Management & Optimization:** Engineered efficient memory management systems using Object Pooling design patterns, successfully reducing RAM consumption by up to 40% and eliminating critical memory leaks to ensure system stability.
- **Algorithmic Performance:** Optimized complex computational logic and spatial algorithms (e.g., collision detection calculations), improving overall system processing speed and rendering performance by 25%.
- **Core System Architecture:** Contributed to the development of core application logic and state management systems for multiple projects (e.g., Library System), ensuring robust and scalable code structures.
- **Agile Collaboration & Code Quality:** Actively participated in agile development cycles and conducted 20+ technical code reviews, enforcing clean code architecture and improving team-wide code maintainability by 30%.

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## PROJECTS

Jan 2026 — Present

Backend Developer – ALIX

Istanbul

- **End-to-End Product Lifecycle:** Led the complete product development lifecycle of a desktop-based application (ALIX), from authoring the Product Requirement Document (PRD) to executing the complex technical implementation plan.
- **Desktop Application Architecture:** Architected and engineered a cross-platform desktop sidebar assistant using Electron.js, ensuring a robust, isolated environment with native OS integrations.
- **Performance & Resource Optimization:** Designed the application to operate as an optimized, low-resource background process, guaranteeing seamless real-time tracking without causing thermal throttling or interrupting primary system performance.
- **Stateful UI Engineering:** Developed a highly responsive, stateful user interface tailored for rapid data updates and intuitive user interaction during active workflows.

Oct 2025 — Dec 2025

Full-Stack Management System (Çanakkale Veterinary Clinic)

Çanakkale

- **Enterprise Architecture:** Engineered a comprehensive, full-stack operational platform and custom Content Management System (CMS) for a veterinary clinic using ASP.NET Core, facilitating efficient management of daily operations and records.
- **Database Design & ORM:** Designed and optimized a relational database architecture using Entity Framework Core, ensuring rapid data retrieval and secure, seamless data persistence for sensitive clinic information.
- **API & System Security:** Implemented secure RESTful APIs and robust user authentication mechanisms to protect data integrity and ensure safe access control for clinic staff.
- **Deployment & Hosting:** Took full ownership of the production environment by successfully deploying, configuring, and managing the application via Plesk hosting, ensuring continuous system availability.

Jul 2025 — Aug 2025

Full-Stack Web Developer (MovieHouse)

Istanbul

- **Full-Stack Application Design:** Engineered a comprehensive media tracking platform with a custom rating and categorization system, demonstrating strong capabilities in full-stack application logic and state management.
- **Data Pipelines & Automation:** Designed and integrated automated background scripts to continuously fetch, synchronize, and update thousands of media assets and metadata via external APIs (e.g., IMDB/TMDB), ensuring high data accuracy.
- **Real-Time Search Performance:** Architected a highly optimized real-time search engine with live autocomplete suggestions, minimizing API latency and significantly enhancing the end-user discovery experience.

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## EDUCATION

Sept 2020 — Jan 2026

BSc, Information System Engineering, Mugla Sitki Kocman University

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## LANGUAGES

English

Spanish