

Gökhan Kaya

Senior Software Engineer & Team Lead

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SUMMARY

Senior software engineer and team lead with 10+ years building backend systems in .NET — from integration-heavy enterprise software to high-throughput, event-driven platforms. I lead development teams and care about architecture that stays maintainable as it scales. Currently deepening my work in cloud (AWS/Azure), Kubernetes, CI/CD, and AI-assisted development.

EXPERIENCE

Senior Software Engineer & Team Lead · **Datasoft** Mar 2025 — Present · Ankara

- Lead backend development for the accounting team in an ERP-focused environment.
- Design and build .NET e-Invoice and e-Archive integrations compliant with the Turkish Revenue Administration (GİB).
- Integrate multiple third-party providers via REST and SOAP, processing UBL-based XML/JSON with strong validation and error handling.

Tech: .NET 8/9, Clean Architecture, DDD, REST/SOAP, UBL

Senior Software Engineer · **Karmasis** Oct 2020 — Aug 2024 · Ankara

- Led development and maintenance of the DAM Collector product (data centralizing, segmenting, parsing).
- Drove the architectural transition from a monolith to containerized, microservice-oriented systems.
- Integrated Apache Kafka with .NET for SIEM/DAM, raising event processing from ~5k to **60k EPS**; added caching for a further ~60% gain; maintained ~80% unit-test coverage.
- Integrated XSOAR with Python 3.0 to strengthen automation and incident-response workflows.

Tech: C#, .NET 8, Apache Kafka, PostgreSQL, MsSQL, Redis, Elasticsearch, Docker, Azure Pipelines

Senior Software Engineer & Researcher · **TÜRKTRUST**

Apr 2015 — Oct 2020 · Ankara

- Delivered defense-industry projects requiring security clearance, using .NET, WPF, and WCF.
- Built and maintained web-based systems for TOBB with Java; redesigned them for new requirements.
- Led automated testing and API verification (Postman, SOAP UI); applied data-mining methods such as graph analysis and sequential patterns.

Tech: C#, Java, ASP.NET MVC/Web API, WPF, WCF, MsSQL, MySQL, MongoDB

Software Engineer · **Ekin Technology** Apr 2012 — Nov 2014 · Ankara

- Built and maintained Ankara's Urban Security System (KGYS) for real-time, city-wide monitoring.
- Designed a network-monitoring module using SNMP, ICMP, and WMI with rule-based alerting.

Tech: C#, .NET Framework, WPF, .NET Remoting, Entity Framework

- Built an automation system for the research center's clean room (.NET, ASMX web services, .NET Remoting).

SKILLS

Languages	C#, Python, Java
Backend	.NET 8/9, ASP.NET Web API, DDD, Event-Driven Architecture, MediatR, FluentValidation, Quartz.NET
Data & Messaging	PostgreSQL, MsSQL, Redis, Apache Kafka, Elasticsearch / OpenSearch
DevOps & Cloud	Docker, Kubernetes, Azure Pipelines, CI/CD, Git; learning AWS / Azure
Quality	xUnit, AutoFixture, NSubstitute, Prometheus, SonarCloud, Grafana
Methods	Clean Architecture, Scrum, Jira

EDUCATION

M.Sc., Computer Engineering — Gazi University	2014 — 2019 · GPA 3.5/4
Thesis: Adaptive, Context-Aware, and Learning Smart Home System.	
B.Sc., Computer Engineering — İstanbul Commerce University	2003 — 2008

PUBLICATIONS

- Smart Home System Using Sequential Pattern Mining — *Eurasia Proceedings of Science, Technology, Engineering and Mathematics* (2018).
- A Decision Support System for Timetabling in Education: A Web-Based Exam Scheduling Application — *EURO-INFORMS 26th European Conference on Operational Research*, Rome (2013).
- A Sample Application of Web-Based Examination System for Distance and Formal Education — *4th World Conference on Learning, Teaching and Educational Leadership*, Barcelona (2013).

CERTIFICATIONS

Confluent Fundamentals for Apache Kafka (2020) · NLP (2024) · Scrum LaBa (2022) · Jira Software (2021) · MTA, Microsoft (2015)

LANGUAGES

Turkish — Native · English — Professional working proficiency (B2)