

Yunus Emre Göl

CTO · Engineering Leader · Software Architect

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16+ years building production software

50+ microservices on Azure AKS

1,000+ customer environments supported

~10 core applications architected from the ground up

SUMMARY

Software engineering leader and hands-on architect with 16+ years of experience building scalable SaaS platforms, distributed systems and cloud-native applications across e-commerce, ERP, CRM and marketplace ecosystems. Currently leading the architecture and development of multi-tenant, event-driven microservice platforms handling high-volume synchronization between ERP systems, marketplaces, cargo providers, payment systems and financial services. Pursuing an M.Sc. in Computer Engineering with research on SKU-level demand forecasting and explainable machine learning.

EXPERIENCE

Chief Technology Officer · Fleksup

Jan 2025 – Present · Istanbul

Multi-platform integrator SaaS company

- Architect and lead multi-tenant SaaS platforms based on microservices and event-driven architectures serving large-scale e-commerce integration operations.
- Led migration from monolithic applications to cloud-native microservice architectures supporting 1,000+ customer environments.
- Lead cloud-native infrastructure using Kubernetes (AKS), CI/CD, observability and distributed messaging across a 50+ microservice ecosystem on Microsoft Azure.
- Design scalable ERP, marketplace, cargo and payment integration systems handling high-volume synchronization workflows; build high-availability services with RabbitMQ, gRPC, REST, PostgreSQL, MongoDB and Redis.
- Define technical strategy and platform roadmap aligned with long-term business goals; drive API-first architecture and integration standards.
- Lead Agile delivery, architectural decisions, technical governance, secure SDLC and platform reliability; mentor teams while staying hands-on.
- Drive applied AI initiatives: RAG architecture and applied machine learning.

Software Engineering Team Lead · ICRON

Jan 2023 – Jan 2025 · Istanbul

Supply-chain optimization and distributed planning products

- Helped scale the web engineering organization alongside the company's growth, in close partnership with the CTO.
- Led frontend, backend and mobile teams; hired and trained new engineers through onboarding, mentoring, coaching and performance development.
- Designed and tracked all technical architectures and dedicated them to owning teams; owned delivery, security processes and engineering standards.

Senior Software Engineer · ICRON

Jun 2018 – Jan 2023 · Istanbul

Built the products used by AI/optimization engineers and their customers

- Built drag-and-drop interfaces for collaborative algorithm development, ETL tools and team collaboration tools for model developers.
- Designed client applications where long-established companies in Türkiye explore AI outputs and manage optimization algorithms and processes.
- Engineered high-performance big-data products: .NET Core backends communicating over TCP with an in-memory C++ engine (Protocol Buffers).
- Laid the foundations of ~10 applications, including an in-house version control system; designed project architectures from scratch, including security.
- Owned the company's cloud evolution end to end; set up Git architecture, CI/CD and automated releases with Azure DevOps.

Senior Technical Team Lead & Operation Manager · 2go-mobile b.v. Jul 2016 – Feb 2017 · Haaksbergen, NL

- Led frontend, backend, desktop and mobile teams for international enterprise customers; managed the Turkey office.
- Managed planning, reporting and budgeting for TÜBİTAK and KOSGEB-supported projects; drove modernization and modularization efforts.

Senior Software Engineer · 2go-mobile b.v. Jun 2015 – Jul 2016 · Haaksbergen, NL

- Owned backend architecture and API development for Ximmio, Afval Kalender and Afval Orde platforms (ASP.NET Web API/MVC, MSSQL, MySQL).
- Developed AWS-based tooling for data transfer, backups and service health monitoring.

Software Development Manager & Co-Founder · AN Software Agency Jul 2012 – Jun 2018 · İzmir

Co-founder role, run in parallel with full-time positions

- Managed end-to-end delivery of e-commerce and ERP integration projects; built B2B, B2C and marketplace integrations.
- Integrated virtual POS with major Turkish banks and providers including iyzico, PayU and PayPal (.NET, Angular, Ionic).

Software Developer · KobiMaster Sep 2009 – Oct 2012 · İzmir

- E-commerce platforms (B2B, B2C, private shopping), ERP and Microsoft Dynamics CRM integrations, supplier catalog and XML distribution systems.
- Technical support and e-commerce consultancy for 100+ customer projects; internal .NET trainings.

RESEARCH

M.Sc. thesis (in progress), Beykent University — SKU-level demand forecasting with clustering, cluster-specific stacking and explainability. Compares global and cluster-specific stacking ensembles across demand regimes, with regime-based model selection using cross-validation forecasts only. Methods: K-means, SBC demand classes, LightGBM (Tweedie), SVR, Croston/SBA/ADIDA/IMAPA, TreeSHAP, Wilcoxon and Holm tests, MASE. Data: UCI Online Retail II. A journal article is in preparation.

EDUCATION

M.Sc. Computer Engineering (thesis), Beykent University 2024 – Present

MBA, Işık University 2020 – 2021

B.Sc. Software Engineering, Bahçeşehir University 2012 – 2015

B.Sc. Economics, Anadolu University 2009 – 2014

Associate, Computer Programming, Süleyman Demirel Univ. 2007 – 2009

CERTIFICATION & AWARD

Microsoft Certified: Azure Cosmos DB Developer Specialty

Bilişim Yıldızları — e-Dönüşüm Competition

LANGUAGES

Turkish (native) · English (proficient) · Russian (beginner)

TECHNICAL STACK

.NET / ASP.NET Core / C# · gRPC · REST · RabbitMQ · SignalR · OAuth2 · Kubernetes / AKS · Docker · Azure DevOps · CI/CD · PostgreSQL · MongoDB · Redis · Dapper · Entity Framework · Prometheus · Grafana · Loki · Jaeger · Angular · TypeScript · Python · pandas · LightGBM · SHAP · RAG / LLMs

EXPERTISE

Distributed systems · Microservices · Event-driven architecture · Cloud-native & SaaS architecture · System design · Observability · Applied ML & demand forecasting · Engineering leadership

DOMAINS

E-commerce · ERP, marketplace, cargo & payment integrations · Multi-tenant SaaS · Supply chain