

Muhammed Yusuf Yolcu

Full-Stack Software Engineer · .NET Core & Node.js

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SUMMARY

Full-stack engineer with 4+ years shipping production multi-tenant SaaS and distributed systems (.NET Core/C#, NestJS, React/Next.js). Core engineer on enterprise risk platforms serving 20,000+ companies, including TÜBİTAK-backed Risk360; led a frontend team of two and owned event-driven pipelines, multi-tenant data design, and CI/CD. Currently building AI-augmented products with LLM/RAG pipelines.

TECHNICAL SKILLS

Languages	C#, TypeScript, JavaScript, SQL
Backend	.NET Core, ASP.NET Core, Node.js, NestJS, RESTful APIs, gRPC, GraphQL, Microservices, CQRS (MediatR), SignalR, Hangfire, MassTransit, Ocelot, IdentityServer/JWT
Frontend	React, Next.js (SSR/SSG), Redux Toolkit, Zustand, TanStack Query, TailwindCSS, Material UI, Ant Design, Three.js, i18n
Databases	Microsoft SQL Server, PostgreSQL, MongoDB, Redis, Elasticsearch, Entity Framework Core, Dapper, Prisma
Architecture	Multi-tenant SaaS,DDD, Event-Driven, Clean Architecture, SOLID
Testing	xUnit, NUnit, Cypress, Playwright, Postman integration testing
AI	LLM API integration (OpenAI, Anthropic), RAG, vector databases, embeddings
DevOps	Docker, Kubernetes, AWS, Azure, Nginx, CI/CD (GitHub Actions, GitLab CI, Jenkins), RabbitMQ, Serilog, Grafana/Prometheus, SonarQube, Git, Agile/Scrum

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Software Engineer & Consultant

Jan 2026 – Present

Remote · Istanbul, Turkey

- Own client projects end to end — architecture, delivery, production support — building multi-tenant SaaS with strict tenant isolation (NestJS, Next.js, PostgreSQL); advise clients on architecture, API design, and data modeling.
- Selected client work: **Uygur Dizayn** — inventory and material-tracking system (Next.js, PostgreSQL) used daily across 20+ construction sites. **Karaca Arena** — custom 3D game engine in TypeScript (Three.js + Rapier physics), live in production inside the Karaca Flutter mobile app.

Software Engineer & Technical Lead — Econtech Bilişim Teknolojileri A.Ş.

Aug 2022 – Jan 2026

Full-Stack Development · Istanbul, Turkey

- Led full-stack architecture across enterprise, multi-tenant SaaS, and public-sector products; set standards (CQRS/MediatR, clean architecture) and reviewed code across the team.
- Taseron360 (Rönesans Holding)**: core engineer on an enterprise subcontractor risk platform for Turkey's largest construction group — scoring 20,000+ companies through a 7-step multi-tenant flow; led a 2-person frontend team and drove its productized SaaS version.
- Risk360 (TÜBİTAK-supported R&D)**: core engineer on Turkey's most comprehensive counterparty risk-analysis platform, aggregating legal intelligence sources with a configurable risk-scoring module.
- Designed event-driven scoring pipelines (.NET Core + RabbitMQ) running asynchronously with step-by-step progress reporting; modeled the multi-tenant PostgreSQL schema; automated deployment with Docker, Kubernetes, and AWS CI/CD.
- Teskomb**: built a nationwide inspector-management system (Next.js + .NET Core) covering assignments, location tracking, and salary administration, with audit trails and RBAC.
- Ferah Triko**: built a B2B e-commerce platform for one of Turkey's largest knitwear manufacturers — tiered pricing, order lifecycle, and an admin dashboard with stock sync — digitizing order management end to end.

INDEPENDENT PRODUCT

Operasyonum.com — Multi-Tenant SME Operations SaaS

2026 – Present

Designed and operate a modular multi-tenant SaaS (Next.js, NestJS, PostgreSQL, Prisma) on Hetzner — wildcard-subdomain tenant isolation, three business modules, multi-tenant RAG pipeline (embeddings + LLM).

EDUCATION

Istinye University — B.Sc. Software Engineering, 2019–2023

LANGUAGES

Turkish (Native) · English (B2–C1)