

Ata Ege Asilturk

Backend Developer

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SUMMARY

Backend developer with 3 years of experience building production APIs and microservices in NestJS, .NET, and Node.js. Developed RAG workflows and AI integrations at Talya Smart alongside multi-tenant provisioning and API infrastructure. Previously led a 5-person team building a bot platform serving 100K+ API requests per week.

EXPERIENCE

Junior Backend Developer, Talya Smart

Jun 2025 - Present

- Develop and maintain REST APIs and microservices in NestJS and C#/.NET for customer-facing features, internal admin tooling, and infrastructure.
- Created retrieval-augmented generation (RAG) workflows and integrated AI functionality with backend applications and APIs.
- Built the backend for a pre-launch AI application platform on a 3-engineer team, including PostgreSQL/pgvector vector storage, Docker deployment, API gateway, authentication, and rate limiting.
- Automated tenant provisioning for **10+ enterprise customers**, with per-customer server deployment and domain assignment, cutting onboarding **from days to under an hour**.
- Reduced database load on high-traffic reads with Redis caching; added Redis-backed sessions and rate limiting to protect public endpoints.
- Designed asynchronous RabbitMQ flows for service events and notification/email dispatch, decoupling producers from consumers.
- Resolved **25+ production issues** across NestJS and .NET, including cache invalidation and message-queue failures.
- Write unit and integration tests, review code, and collaborate with frontend and product teams to ship features end to end.

Lead Backend Developer, BotsLab

Jan 2023 - Dec 2024

- Led a 5-person team building a bot listing and discovery platform, owning the Node.js/Express backend serving **1,000+ listed bots** and **100K+ API requests per week**.
- Secured the API with JWT authentication and role-based access control.
- Modeled MongoDB schemas and optimized high-traffic queries for performance and scalability.
- Added Redis caching, session storage, and rate limiting to improve reliability under load.
- Implemented Kafka messaging for asynchronous event processing between backend services.
- Deployed and maintained the platform on Linux servers.

EDUCATION

BSc, Computer Science, Warsaw University of Technology

Expected Feb 2028

- Relevant coursework: Software Engineering, Data Structures & Algorithms, Operating Systems.

SKILLS

Languages: TypeScript, JavaScript, C#, Go, C++, SQL

Backend: Node.js, NestJS, Express.js, .NET, Prisma, TypeORM

AI: Retrieval-augmented generation (RAG), AI integrations, vector search (pgvector)

Data & Messaging: PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, Kafka

DevOps & Cloud: Docker, AWS (EC2, S3, Lambda), GitHub Actions, CI/CD, Linux

Practices: REST API design, microservices, unit & integration testing (Jest), code review

Spoken Languages: English (fluent), Turkish (native), Polish (beginner)