

Bariş Atay

Backend Developer

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Profile

Backend Developer specializing in scalable, fault-tolerant distributed systems using Node.js and TypeScript. Passionate about Software Craftsmanship, Clean Code, and Domain-Driven Design (DDD) to build type-safe, maintainable solutions. Experienced in event-driven architectures and comprehensive observability, with a strong agile mindset focused on delivering high-performance, customer-first outcomes.

Professional Experience

Backend Developer - A Artı Mühendislik

07/2024 – Present | Turkey,Mersin

- **Architected fault-tolerant microservices and lightweight APIs** using Node.js, Bun, and Hono, significantly reducing latency while applying Clean Architecture, DDD, and OOP principles.
- **Designed loosely coupled, event-driven architectures** utilizing RabbitMQ and Mosquitto for reliable asynchronous communication and messaging patterns.
- **Optimized relational databases** (PostgreSQL, TimescaleDB) by implementing complex queries to manage data-intensive applications effectively.
- **Ensured production reliability and system health** by standardizing CI/CD pipelines, Docker containerization, TDD practices, and establishing observability stacks (Grafana, Loki, Tempo).
- **Offloaded CPU-intensive tasks** to high-performance background workers developed in Rust (Tokio async runtime) to prevent main thread blocking.

Languages

English – Conversational

Turkish – Native/Bilingual

Skills

Languages

TypeScript, JavaScript, Rust, SQL

Runtimes & Frameworks

Node.js, Bun.js, Express.js, Elysia, Hono

Databases

PostgreSQL, TimescaleDB, MySQL, SQLite

Architecture & Culture

Microservices, Clean Architecture, DDD, TDD, OOP, Clean Code, Design Patterns, Agile

Cloud & Devops

AWS (S3), Docker, CI/CD, Git, RabbitMQ, Mosquitto, Vitest

Observability

Open Telemetry, Grafana, Loki, Tempo

Education

Bachelor's Degree - Remote

Anadolu University

2024 – Present

Management Information Systems

Associate's Degree

Eskişehir Osmangazi University

2022 – 2024 | Eskişehir

Computer Programming