Muhammed Fatih Turakoğlu

Computer Engineer
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COMPETENCIES

- **Software Architecture & Principles:** SOLID, OOP, Layered Architecture, Onion Architecture, Dependency Injection.
- **Development Suites & Frameworks:** .NET Core, Node.js, Angular, Unity, Collections Framework.
- **Optimization & Async Tools:** UniTask, Addressables, Object Pooling, Memory Management.
- **Databases & Web Tech:** SQL Server, MySQL,PostgreSQL, JWT, Web API, RESTful APIs, HTML5/CSS3.
- **Programming Languages:** C#, C++, C, Java, JavaScript.
- **Java Technologies:** Java SE,Collections Framework,JDBC,JUnit
- **Tools & Version Control:** Git/GitHub/Git Flow, Google Play Console.
- **Language:** English C1 (Advanced).

WORK EXPERIENCES

VakıfBank-Istanbul 2025-Backend Developer Intern

- Optimized database performance by writing efficient queries and managing relational data models in SQL Server.
- Designed and integrated dynamic middle layers by mapping data structures between database and client levels using DTOs (Data Transfer Objects).
- Documented and tested Web APIs using Swagger/OpenAPI tools to ensure seamless integration for frontend teams.
- Applied Onion Architecture principles alongside Layered Architecture to enforce a strict separation of concerns and maintainable codebase.

Plus Mühedislik -Istanbul 2025-Backend Developer

• Automation Software Developer (Mixer Batch Reporting System): Developed a mixer batch reporting application for industrial automation, implementing production data collection, batch tracking, report generation, and database integration. Focused on reliable data processing, user-friendly interfaces, and improving production monitoring and reporting workflows.

MFT Games-Istanbul 2024-2026 PROJECTS

Software & Systems Developer (Simulation & Interactive Systems)

- Developed 4 interactive applications using Unity and C#.
- Published Trail Ball 3D on Google Play.
- Applied SOLID, Event-Driven Design and Dependency Injection.
- Optimized CPU/GPU usage using Object Pooling and Memory Management.

EDUCATION

Biruni University | Computer Engineering
September 2022 – June 2026

REFERENCES

Zekiriya YOLCU | Aplication Infrastructure Development Manager VakıfBank +90 533 369 60 98

Okan KAYA | Founder: Plus Engineering +90 0541 561 62 99

Yılmaz USLU | Computer Engineering yuslu@biruni.edu.tr