Fatih Serhat Turan

Fullstack Developer

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Professional Experience

Dogus Teknoloji   2024 - Present
Software Developer

- Developed scalable web applications using .NET Core and C# with Clean Architecture and Onion Architecture
- Built dynamic user interfaces with Vue3 and optimized data management using MSSQL and MongoDB
- Achieved 2nd place in internal generative AI competition with smart document automation tool
- Developed AI-powered business analyst tool using Vue.js, FastAPI, and LangChain with Google Gemini AI
- Won 3rd place in Doğuş Technology hackathon for AI-powered business process automation
- Integrated Azure OpenAI models into business management system for Doğuş İnşaat
- Applied Agile Scrum methodologies in full-stack development and AI/ML product development

Kocaeli University Computer Research and Application Center   2022 - 2024
Research and Development Intern

- Developed corporate web application utilizing MSSQL and MongoDB with Clean Architecture and SOLID principles
- Designed and developed Marmarakaf reservation system with efficient booking management

Technical Skills

Programming Languages: C#, Java, Go, JavaScript, TypeScript, T-SQL
Frameworks: .NET Core, Spring Boot, Vue.js, Node.js, FastAPI
Databases: MSSQL, MongoDB, Redis, Elasticsearch
DevOps: Docker, Kubernetes, RabbitMQ, Azure DevOps
Cloud: AWS Bedrock, Firebase, Google Cloud, Azure OpenAI
AI/ML: OpenAI Models, LangChain, Google Gemini AI
Testing: XUnit, NUnit, Moq, FluentAssertions, Mocha
Architecture: Microservices, Clean Architecture, Onion Architecture, SOLID, DDD

Education

Kocaeli University   2021 - 2025
Bachelor of Science in Computer Engineering
Senior Capstone Project

- Developed containerized data management system with Onion Architecture connecting independent APIs with distributed databases
- Implemented Elasticsearch for efficient full-text search and optimized data retrieval across distributed system architecture

Kocaeli University Embedded Systems Laboratory   2021 - 2023
Software Developer Volunteer

- Contributed to volunteer software projects for Kocaeli University Hospital improving patient care coordination and clinical workflow efficiency

Key Achievements

- 2nd Place - Internal Generative AI Competition at Dogus Teknoloji (Smart Document Tool)
- 3rd Place - Doğuş Technology Hackathon (AI-Powered Business Analyst Tool)
- Successfully integrated AI/ML solutions into enterprise business management systems

Links

LinkedIn: linkedin.com/in/fatih-serhat-turan-4b3bb1146
GitHub: github.com/fatihserhatturan
Medium: medium.com/@fatihserhatturan
Portfolio: fatihserhatturan.vercel.app