ABDULKERIM KILIC

Software Engineer | Backend Developer | Gaziantep, Turkey

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Summary

Backend Software Engineer with 5+ years of experience in fintech and banking. Skilled in designing secure, scalable systems using .NET Core, C#, and SQL. Delivered high-impact features for digital loan management and vehicle financing platforms, including API integrations, automated workflows, and performance optimizations. Experienced in full-stack development with Clean Architecture, DDD, CQRS/MediatR, EF Core, PostgreSQL, and Docker. Passionate about building maintainable, production-ready software in Agile environments.

Technical Skills

Backend: .NET Core, ASP.NET MVC, C#, REST APIs

Frontend: JavaScript, HTML, CSS, React, Next.js, Typescript

Architecture: OOP, Clean Architecture, Domain-Driven Design

Testing: Unit Testing (xUnit, NUnit), Integration Testing

Databases: SQL Server, PostgreSQL, Entity Framework, LINQ

DevOps & Cloud: Git, GitHub, CI/CD Pipelines, Docker, Postman

Learning & Experimenting: Redis, RabbitMQ, MongoDB

Project Management: Agile (Scrum), Version Control, Team Collaboration

Languages: Turkish (Native), English (B2 – professional), German (Beginner)

Professional Experience

Software Development Specialist | Albaraka Turk Participation Bank – Istanbul | Sep 2019 – Jun 2024

- Developed high-performance finance applications for vehicle, housing, and dealer loans using .NET Core, C#, SQL Server in Agile environment.
- Architected and led the integration of secure RESTful APIs for critical third-party services (identity verification, credit scoring), enhancing data accuracy and reducing customer onboarding time

- Refactored legacy monolith modules into maintainable, testable structures, enhancing long-term system reliability.
- Collaborated within cross-functional Agile teams to deliver new features and improvements in bi-weekly sprints.

Software Engineer | Esit Electronic Ltd. Co. – Istanbul | Jul 2019 – Sep 2019

- Developed and enhanced internal operational tools using C# and Windows Forms, automating manual processes for the operations and accounting departments.
- Analyzed user requirements and collaborated directly with department heads to deliver tailored technical solutions that addressed specific business challenges.
- Gained practical experience in the full software development lifecycle, from concept and development to testing and deployment.

Software Trainee | Wissen Akademie – Istanbul | Jan 2019 – Jun 2019

- Engineered a full-stack ASP.NET MVC web application following OOP principles, utilizing Entity Framework Code-First for database modeling and ADO.NET for data access.
- Developed a Windows desktop application (WinForms) to manage business data, implementing CRUD operations, data validation, and reporting features.
- Utilized SQL Server to design and query databases, writing optimized T-SQL statements and stored procedures.

Trainee | B&R Industrial Automation GmbH – Istanbul | Jul 2018 – Aug 2018

- Gained exposure to industrial automation principles by working with Automation Studio for system design and hardware configuration.
- Assisted in the programming and testing of PLC logic for basic control systems.
- Collaborated with senior engineers to understand client requirements and system specifications.

Education

B.Sc. Electrical & Electronics Engineering | Marmara University (2014 – 2018)

- Specialized in embedded systems and programming.
- Relevant Coursework: Microprocessors, Digital System Design, Control Systems, Java and C/C++ Programming, Data Structures, Algorithms, Object-Oriented Programming.
- Engineering Focus: Developed a strong foundation in low-level systems programming (C/C++), algorithmic thinking, and hardware-software integration principles through academic projects and labs.

Personal Project

FinFlow | Personal Full-Stack Project

- Architected and developed a showcase finance management platform from the ground up to master modern backend development practices and frontend integration.
- Implemented Clean Architecture and Domain-Driven Design (DDD) to ensure separation of concerns, testability, and maintainability.
- Utilized CQRS with MediatR for efficient command and query separation, and Entity Framework Core Code-First for database management.
- Containerized the backend API using Docker for consistent development and deployment.
- Tech Stack: .NET 8, Clean Architecture, DDD, CQRS/MediatR, EF Core, PostgreSQL, Docker, Next.js 14