ANIL DURSUN ŞENEL

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PROFESSIONAL SUMMARY

I am a Senior Software Engineer with over 6 years of experience in developing and maintaining enterprise-level applications that serve millions of users. I specialize in .NET Core, microservices architecture, cloud technologies, and database management. My expertise includes applying Domain-Driven Design, CQRS patterns, and event-driven programming to build scalable and maintainable systems. I've successfully delivered high-impact solutions across diverse industries, including consumer goods, energy, and pharmaceuticals.

I have a congenital visual impairment that affects my vision under certain conditions. Specifically, in bright outdoor environments (e.g., under direct sunlight), my vision decreases without sunglasses. I also experience difficulty reading very small printed text and distinguishing some colors. However, this does not significantly impact my ability to work. In digital environments, I comfortably continue coding by enlarging text when needed and using dark themes to reduce screen glare. I hold an official disability report indicating a 70% disability, though I am not classified as severely disabled.

EDUCATION

BACHELOR'S DEGREE, COMPUTER ENGINEERING

Altınbaş Üniversitesi
September 2014 - 2019, *Language:* English

MINOR, ELECTRICAL AND ELECTRONIC ENGINEERING

Altınbaş Üniversitesi
2017 - 2019, *Language:* English

BACHELOR'S DEGREE, MANAGEMENT INFORMATION SYSTEMS

Anadolu Üniversitesi
2017 - 2021, *Language:* Turkish

HIGH SCHOOL DIPLOMA

Dede Korkut Anadolu Lisesi | Bahçelievler, Istanbul, Turkey
2010 - 2014

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER

adesso Turkey | Istanbul, Turkey

July 2023 - Present - Lead development processes for enterprise-level applications using C# and .NET Core - Implement and optimize microservice architecture solutions with Docker and Kubernetes - Manage cloud infrastructure using Azure services including Service Bus and DevOps - Utilize advanced patterns like CQRS and Domain-Driven Design for scalable application design - Contribute to development of internal frameworks and reusable components

SENIOR SOFTWARE ENGINEER CONSULTING

Unilevel Turkey | Istanbul/Turkey *Semtumber 2024 - Present* - Migrated Algida loyalty application to microservices architecture - Implemented Domain-Driven Design and CQRS patterns - Developed backend services using C# and .NET Core - Managed cloud deployment on Microsoft Azure with Kubernetes - Utilized PostgreSQL and MongoDB for data storage solutions

SENIOR SOFTWARE ENGINEER CONSULTING

EnBW Energie Baden-Württemberg AG | Stuttgart, Germany *July 2023 - January 2025* - Developed chatbot solutions using Microsoft Bot Framework and Azure services - Implemented backend services with ASP.NET Web API and Node.js - Built frontend components using React.js - Utilized MongoDB and Redis for data storage and caching requirements

SOFTWARE ENGINEER

adesso Turkey / PepsiCo | Istanbul, Turkey
January 2020 - July 2023 - Developed and maintained PepsiCo's KazandıRio consumer loyalty application serving millions of active users - Led migration to microservices architecture to improve scalability and maintainability - Implemented backend services using C#, Node.js, and ASP.NET Web API - Utilized MongoDB for database solutions and RabbitMQ for message-driven architecture - Managed cloud deployment with Kubernetes, Microsoft Azure, and Azure Service Bus - Applied Domain-Driven Design principles for robust application architecture

SOFTWARE DEVELOPER

Bosch Turkey | Istanbul, Turkey
March 2019 - January 2020 - Led development process of BoschCRM application - Designed and implemented database structure, API endpoints, and UI components - Developed solutions using C#, ASP.NET Web API, JavaScript, and Microsoft SQL Server - Configured and maintained Internet Information Services (IIS) for application deployment

SOFTWARE DEVELOPER

Asfarma International Pharma Marketing | Istanbul, Turkey
October 2018 - March 2019 - Developed Asfarma PTS, a multi-country CRM application for tracking drug licensing processes - Built infrastructure using ASP.NET MVC, ASP.NET Web API, and C# - Implemented Behavior-Driven Development (BDD) practices for quality assurance - Created reporting features for budget, process, and product tracking

SOFTWARE ENGINEER INTERN

Evatro | Istanbul, Turkey
June 2018 - October 2018 - Contributed to ETI MKCP mobile application for field force and management team coordination - Developed new features and fixed bugs in Xamarin Forms framework - Implemented solutions using Java for mobile development - Worked in a collaborative mobile development team environment

DATABASE DEVELOPMENT MANAGER INTERN

Asfarma International Pharma Marketing | Istanbul, Turkey
June 2015 - August 2015 - Managed SQL Server databases and optimized T-SQL queries - Implemented and monitored SQL Server jobs - Improved database performance through query optimization

PROJECTS

ALGIDA ILE KAZAN

adesso Turkey, Unilever Turkey | September 2024 - Present - Developing loyalty application using microservices architecture - Implementing Domain-Driven Design and CQRS patterns - Utilizing Microsoft Azure, Azure DevOps, PostgreSQL, and MongoDB - Deploying services on Kubernetes infrastructure - Programming with C# and .NET

KAZANDIRIO

adesso Turkey, PepsiCo Turkey | January 2020 - July 2023 - Developed PepsiCo Turkey's high-engagement consumer loyalty app - Enabled users to redeem points from product codes for various rewards - Transformed backend architecture to microservices to support large user base and frequent campaigns - Implemented solutions using Microsoft Azure, Azure DevOps, Node.js, MongoDB, RabbitMQ - Applied CQRS, Microservices, and Domain-Driven Design architectural patterns - Utilized Azure Service Bus for messaging and backend integration

ENBW CHATBOT (ADA & eHive)

adesso Turkey, EnBW Energie Baden-Württemberg AG | July 2023 - January 2025 - Developed conversational interface solutions for EnBW - Implemented backend using ASP.NET Web API and Microsoft Azure - Built frontend components with React.js and Node.js - Leveraged Microsoft Bot Framework for AI-powered conversational capabilities - Used MongoDB for data storage and Redis for caching and performance optimization

NEXUS FRAMEWORK

adesso Turkey - Actively participated in building a comprehensive .NET application framework similar to Spring and ABP Framework - Developed core modules for data management (Data, UnitOfWork, DDD) - Created infrastructure components (IOC, Cache, EventBus, MessageBus, FileStorage) - Implemented API development tools (Api, OpenApi) - Built cross-cutting concerns modules (Security, Validation, Localization, HealthCheck) - Applied advanced techniques including Reflection, Aspect-Oriented Programming, and Event-Driven Programming - Published reusable components as NuGet packages

NEXUS NOTIFICATION

adesso Turkey - Contributed to developing a platform designed to track user application events from various integrated sources - Primarily targeted on-premise customer deployments - Enabled targeted communication via push, web push, and email - Supported both user segmentation and bulk messaging capabilities - Used Domain-Driven Design, Scrum, .NET, Azure DevOps - Implemented CQRS and Microservices architecture - Developed with C#, Next.js, ASP.NET CORE, and MongoDB

BOSCHCRM

Bosch Turkey | January 2019 - January 2020 - Led development of CRM application for Bosch Turkey - Implemented solutions using ASP.NET Web API, C#, and JavaScript - Built and optimized database using Microsoft SQL Server - Configured and maintained Internet Information Services (IIS) for deployment

ADSPUSH

Open Source Project - Developed an open-source NuGet package with .NET - Created server-side solution for managing and sending push notifications - Implemented support for both APNS (Apple Push Notification Service) and FCM (Firebase Cloud Messaging) - Ensured seamless integration with various platforms - Designed high-level abstractions for ease of use while supporting advanced usage scenarios link: https://www.nuget.org/packages/AdsPush

ASFARMA PTS

Asfarma International Pharma Marketing | January 2018 - October 2018 - Developed solution for both domestic and international workers to manage products and licensing processes - Created reporting features for budget, yearly plans, and processes - Built end-to-end system for drug shipment tracking and licensing management - Implemented using ASP.NET MVC, ASP.NET Web API, and C# - Applied Behavior-Driven Development (BDD) methodologies

EVA-1 ELECTRIC VEHICLE

**Tübitak Efficiency Challenge* | December 2018 - September 2019* - Contributed to development of an efficient and domestic electric vehicle for Tübitak competition - Worked in a team of approximately 40 people - Implemented control systems using Python and .NET - Integrated solutions with Raspberry Pi hardware - Achieved third place and jury award recognitions

ETI MKCP

Evatro, ETI | July 2018 - September 2018 - Worked on ETI company's field tracking application during internship - Contributed to mobile application development using Xamarin Forms - Implemented coordination system between field force and management team - Developed solutions using Java for mobile components - Collaborated with team members on both web and mobile interfaces

GRADUATION PROJECT: VEHICLE DETECTION AND COUNTING

Altınbaş Üniversitesi | November 2018 - June 2019 - Developed system for detecting and counting vehicles by type - Implemented computer vision solutions using Python and PyTorch - Created training models and deployment systems for real-time analysis - Worked in a three-person team to deliver complete solution

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: C#, JavaScript, Java, Python

FRAMEWORKS & TECHNOLOGIES: .NET / .NET Core, ASP.NET Core / ASP.NET MVC, Entity Framework / EF Core, Xamarin Forms, React.js, Node.js, Next.js, Domain-Driven Design (DDD), Event-Driven Design, CQRS, Spring Boot / Spring Framework, SignalR, Microsoft Bot Framework, LangChain, OpenTelemetry

CLOUD & DEVOPS: Microsoft Azure, Azure DevOps, Docker, Kubernetes, DevOps, Jenkins, Git, SSIS, IIS, CI/CD, Firebase, Google Play Console, Splunk, NewRelic, JIRA

DATABASES & MESSAGING: Microsoft SQL Server, PostgreSQL, Azure CosmosDB,

Azure Service Bus, MongoDB, Redis, Elasticsearch, RabbitMQ

ARCHITECTURE & PRACTICES: Microservices, SOA (Service-Oriented Architecture), OOP (Object-Oriented Programming), Event-Driven Programming, Aspect-Oriented Programming (AOP), Reflection, Behavior-Driven Development (BDD), Scrum, Unit Testing, Nuget Package Management

AWARDS

- Tübitak Efficiency Challenge Third Prize & Jury Award

LANGUAGES

Turkish (Native), English (Full Professional - B2)