

ALPER CUBUKCU

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SUMMARY

Experienced Full Stack Software Developer with 5 years of expertise in backend and frontend development, delivering solutions in healthcare, aviation, travel, commercial and education industries. Versatile in multiple technology stacks, known for a problem-solving mindset and collaborative teamwork. Seeking a long-term role to leverage my skills and contribute to impactful projects.

EXPERIENCE

Software Developer, AOGEN - Sydney, Australia

October 2024 - Present

- Led the development team for a **Flutter-based mobile** application, delivering solutions tailored for **education and migration** sector.
- Implemented **Gemini AI** and **e-signature** integration, enhancing user experience and streamlining workflows.
- Built backend **Web APIs** using **.NET Core 8x, 9x** with secure **JWT-based authentication**.
- Designed **ER diagrams** and developed database entities using a **Code-First approach**, completing migrations on **MSSQL**.
- Configured **Microsoft VSP Server** with **SQL Management Server**, **TCP/IP**, **SSL** settings, and project-specific user access for secure database operations.
- Developed **ReactJS** based CMS panel for universities and agencies, focusing on intuitive and efficient usability.
- Enabled social login through **OAuth 2.0** for Google and Facebook, simplifying the authentication process.
- Worked with multi-layered architectures, accessing business logic through **Mediator** pattern, improving code maintainability and readability.
- Applied **TDD** (Test-Driven Development) and **SOLID** principles to create scalable and maintainable APIs.
- Automated **CI/CD** pipelines with **Github Actions** and **PowerShell** scripts, optimizing build, deploy, and test processes for faster development cycles.

Software Developer, AUTOMATORR - Sydney, Australia

April - October 2024

- Developed a platform integrating **AssemblyAI** for **real-time speech-to-text** conversion with over **90% accuracy**, significantly enhancing user experience and interaction in the **healthcare sector**.
- Integrated **IBM Watson** for **data summarization** and actionable insights, collaborating directly with **IBM** developers to **fine-tune AI** models and improve accuracy.
- Implemented **WebSockets** to establish **real-time communication channels** between the server and client, ensuring seamless and uninterrupted system operations.
- Applied a **Component-Based Approach**, designing the platform with reusable, independent modules to ensure scalability and maintainability.
- Built a scalable backend with **Node.js** and a user-friendly frontend using **Next.js**, delivering a seamless and efficient experience for healthcare users.
- Designed and automated **CI/CD pipelines** using **Azure Wep App**, accelerating build, deployment, and testing processes, and reducing project delivery timelines.
- Directed the entire project lifecycle, including system architecture design, creation of **ER diagrams** for efficient database structures, and **leading team meetings** to ensure timely and high-quality project delivery.

Software Developer, Nexum Bogazici - Istanbul, Turkey

Jan 2023 - April 2024

- Contributed to the **backend development** of **Pegasus Airlines'** award-winning infrastructure modernization project, a critical initiative in the **aviation industry**, achieving an **85% performance** improvement through **asynchronous programming**, **optimized database transactions**, and **advanced query strategies** with **Entity Framework Core** and **OData** integration for efficient data querying and manipulation..
- Developed a high-performance backend using **C#/.NET 7x**, implementing **RESTful APIs**, **GraphQL**, and **CQRS**, while adhering to **TDD (Test-Driven Development)** and **DDD (Domain-Driven Design)** principles.
- Integrated **Redis caching** to enhance system performance and scalability, and implemented secure **JWT-based authentication** for user management.
- Designed and implemented **CI/CD pipelines**, ensuring rapid feature deployment and consistent system reliability.
- Actively participated in **Agile sprints**, aligning development efforts with business goals to deliver scalable and efficient solutions.
- Supported the project's **frontend development**, creating interactive components using **ReactJS**, **Blazor**, **JavaScript**, **Html** and **CSS** resulting in an improved user experience.

Software Developer, Webbilir - Istanbul, Turkey

July 2021 - Jan 2023

- Developed **e-commerce** websites and **corporate** websites for various clients, utilizing **.NET Core 3x , 4x, 5x , C#, ASP.NET MVC, Html, CSS, Javascript, JQuery, Bootstrap** and **Blazor** to deliver scalable and efficient solutions.
- Designed and managed databases using **SQL Server Management Studio**, applying a **Database-First approach** to streamline development and ensure optimal query performance.
- Created and optimized **high-traffic campaign modules** for Fakir Group, handling **20,000 to 30,000 user applications per campaig**, **ensuring stability and performance under heavy load**.
- Deployed **web applications** to production servers using **IIS and Azure Web Services**, ensuring seamless and reliable rollouts for all clients.
- Used **AWS tools**, including **Lambda and S3**, for application deployment and cloud-based management.
- **Mentored interns and junior developers**, focusing on training, design reviews, and code quality improvements, contributing to overall team growth and project success.

Junior Software Engineer, WorkinTeam - Istanbul, Turkey

Jan 2020 - July 2021

- Developed applications using **C# / .NET Core 3.1, HTML, CSS, JavaScript** and **jQuery**, adhering to **Object-Oriented Programming (OOP)** and **SOLID principles** to ensure scalable and maintainable code.
- Designed and managed databases with **MySQL**, optimizing data storage and retrieval processes for enhanced performance.
- Contributed to web-based projects by maintaining version control systems using **Git and coding in PHP**, ensuring smooth collaboration and streamlined development workflows.
- Supported **server deployments and management**, ensuring stable, secure, and reliable application hosting environments.

SKILLS

Programming: C#, Python, JavaScript, TypeScript, PHP

Frameworks & Libraries:.NET Core, ASP.NET MVC, MVVM WPF, Blazor, React, Next.js, jQuery

Database & Caching: MSSQL, MySQL, PostgreSQL, Redis

Devops & Cloud & Architecture: Azure, AWS, Docker, Microservices, OOP, SOLID, DDD, TDD, RESTful APIs, WebSockets, CI/CD

Version Control: Git

Project Management:Jira, Agile Methodology, Sprint & Scrum

EDUCATIONS

Academies Australasia Polytechnic	Sydney, Australia
Master Of Information Technology	2024 -2026
Ahmet Yesevi University	Istanbul, Turkey
Bachelor Of Science In Computer Engineering	2020 -2023

CERTIFICATIONS

Building Modern .NET Applications on AWS	From: Amazon Web Services (AWS)
SQL for Data Science	From: University of California, Davis
Param .Net Practicum	From: ParamTech
.Net.Core Software Master	From: University of THK