

Contact

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(LinkedIn)

Top Skills

ASP.NET Core MVC
Angular
Azure App Services

Languages

Türkçe (Native or Bilingual)
English (Full Professional)
Almanca (Elementary)

Honors-Awards

10 Fingers Fast Typing Champion; in
both English and Turkish sentences



Tayfun Adakoğlu

Software Engineer (C#/.NET, Angular, Azure)
Istanbul, Turkey

Summary

Tayfun is a man of action, focus, commitment, passion and honesty. He has significant hands-on know-how and experience in following areas of technology (+10 000 hours):

- * ASP.NET Core 2, ASP.NET Web API, ASP.NET Core SignalR, XUnit, TDD, Mocking with Moq, JWT Auth, Postman, Refactoring, Loose Coupling, Dependency Injection, Repository Design Pattern
- * C# 7.0, LINQ, Entity Framework Core, ADO.NET, MVVM
- * TypeScript, Angular 7, RxJS, Node.js, JavaScript, DOM API, JSON
- * HTML 5, CSS 3, Bootstrap 4, Angular Material, Responsive Design
- * Azure DevOps(CI/CD), Azure Pipelines, App Services, Docker, Storage Accounts, Redis, Github
- * Microsoft SQL Server, T-SQL, Relational Database Design
- * IT Business Analysis, Software Engineering & Project Management: Entity-Relationship Diagramming with Crow's Foot and Chen's Notation; Designing Data Dictionary; Data-Flow, Entity-Life, UML Diagramming;
- * UI/UX, Other - Drawing & Scheming in Microsoft Visio, Project Planning & Management in Microsoft Project, Designing Wireframes, Mockups and Prototypes with Adobe XD, Web Design with Adobe Dreamweaver CC, Photo Editing with Adobe Photoshop CC

Experience

Xyzeki

Founder & Chief Software Architect

June 2019 - January 2020 (8 months)

Real-time task management and team collaboration platform

Angular 7 UI & ASP.NET Core SignalR Real-time features video presentation

<https://www.youtube.com/watch?v=n2W99BoFBE>

<https://www.youtube.com/watch?v=weAyXuzuuHI>

Technologies;

ASP.NET Core MVC 2 (for backend Web API)

Angular 7.2 (for frontend)

RxJS

Bootstrap 4.0

Angular Material

C# 7.0

LINQ

TypeScript

HTML5

CSS3

JWT(JSON Web Tokens) Authentication, Signing(certification) with

HMAC:SHA256

Password hashing with PBKDF2 (Using HMAC with SHA512 digester) using
crypto.pbkdf2 func. of Node.js API and KeyDerivation.Pbkdf2 C# method in
MSFT)

Entity Framework Core (DB-First)

SQL Server 2014

ASP.NET Core SignalR (for real time messaging and event notifications)

Visual Studio Code (Open source)

Architecting & Deploying Virtual Machines For SQL Server on Microsoft Azure

Architecting & Deploying App Services on Microsoft Azure

Architecting & Deploying SignalR Service and Redis Backplane on Microsoft
Azure

Architecting & Developing & Deploying Storage Accounts on Microsoft Azure

Custom Domain, DNS Setup & Management For www.xyzeki.com Between
Microsoft Azure & GoDaddy

Using Postman For API Management

VS Code Extensions:

Angular CLI, Angular Language Service, Angular Files and Angular 7 Snippets
extensions, Npm , Github

vscode-solution-explorer, Debugger for Chrome and much more.

<https://github.com/tadakoglu/Xyzeki>

Alternet Yazılım

Software Engineer (Freelance)

January 2019 - June 2019 (6 months)

Pamukkale, Denizli, Turkey

This is a series A funded health-related software startup of my friend, which has been founded by support of TÜBİTAK (Scientific and Technological Research Council of Turkey). Alternet's web site and main product: <https://alternet.com.tr> and ilactarif.com.tr

Project#2

I have developed a full stack "To Do List Web App" similar to Wunderlist.

Tech stack: ASP.NET Core MVC 2 (for backend Web API), Angular 7, Angular Material/Bootstrap 4 (for front end), C# 7.0, TypeScript, HTML5, CSS3, JWT (JSON Web Tokens) Auth., PBKDF2 (Using HMAC with SHA512 digester) using `crypto.pbkdf2` func. of Node.js API and `KeyDerivation.Pbkdf2` C# method in MSFT), Entity Framework Core (DB-First), SQL Server Express, ASP.NET Core SignalR (for real time messaging and event notifications), Visual Studio Code, Angular CLI, Language Service, Files and Snippets extensions.

<https://github.com/tadakoglu/Alternet-To-Do>

Project#1

Online Medicine Ordering System.

* I have modeled and designed the software with Entity-Relationship (with Crow's Foot notation), Data-Flow and Entity-Life diagrams in Microsoft Visio 2013 with care.

* I have developed the medicine ordering web app with ASP.NET Core MVC 2, ASP.NET Core Razor View Engine, Entity Framework Core (Code-First), LINQ, C# 7.0, HTML5, JavaScript, JQuery UI, JQuery AJAX, CSS3, Bootstrap and SQL Server Express technologies. Dependency Injection technique and MVVM (ViewModels etc.) have been used to help reduce the software complexity. I have given pretty much importance to isolating the software components with dependency injection and C# interfaces, writing reusable code and refactoring in great detail.

* I have applied Test-Driven Development (TDD) approach but I have written unit tests after having developed the real methods so with the reverse

approach. I have used XUnit and Moq Frameworks for creating unit tests and fake/mock objects respectively to make testing easier.

<https://github.com/tadakoglu/Alternet-Ordering-System>

Şevval Kuruyemiş Makinaları

Software Engineer (Freelance)

December 2018 - December 2018 (1 month)

Denizli, Turkey

I have helped the company to expand their licenced ERP software with new modules. Later, the company has preferred to use Excel sheets to avoid any copyright infringement.

TCM Bilisim ve Danismanlik Hizmetleri

Cloud & DevOps Engineer Intern

October 2018 - November 2018 (2 months)

Istanbul, Turkey

I joined Microsoft Azure App and Data & IoT Bootcamp events at Fairmont Quasar Istanbul on October 22th-26th in 2018 as an invitee.

I have learnt and used following cloud and devops technologies and techniques in this company, mostly in Microsoft Azure:

- * Azure App Service(Web Apps) (+SSL offloading, Application Settings and Connection Strings configuration for deployment, Scaling up/down etc.)
- * Docker Containers, App Dockerization
- * Azure DevOps: Continuous Integration, Continuous Deployment and Continuous Delivery
- * Azure Pipelines: CI/CD
- * TFVC, GitHub, Github Branching & TFVC/TFS Branching
- * PowerShell
- * NoSQL: Azure Cosmos DB: SQL API, Redis Cache
- * Microsoft SQL Server, Azure SQL Database
- * Azure Storage Accounts
- * Azure IoT Hub, Azure Stream Analytics, Azure Time Series Insights
- * Application Gateway (OSI Layer 7, DNS based), Traffic Manager
- * Ubuntu Linux, Windows, VM's, SSH with Putty & PuttyGen
- * Azure CDN
- * Application Insights
- * Azure Logic Apps
- * DNS Configurations,

- * Azure Migrate, Microsoft SQL Server Migration Assistant (SSMA) for Oracle, Azure DB Migration Service
- * Azure SDK
- * App, Data and Data Center Modernization

VeriPark

Software Engineer Intern

June 2016 - June 2016 (1 month)

Izmir, Turkey

I have developed the project below;

E-commerce Platform with ASP.NET MVC 4

*I have developed a "E-Commerce Platform" from scratch having used ASP.NET MVC 4, Entity Framework 6 written in Code-First technique, CSS3, HTML5, Bootstrap, Ninject for Dependency Injection technique of Inversion of Control(IoC) design pattern, Moq for mocking objects and a Local SQL database.

<https://github.com/tadakoglu/Veripark-Internship-Project>

Education

Pamukkale Üniversitesi

Bachelor of Science, Computer Engineering · (2012 - 2018)

School of Foreign Languages, Pamukkale University

English Preparatory Education · (2011 - 2012)

Bartın Anatolian High School

Science · (2007 - 2011)

Birth

· (1993)