



Oguzhan Kahyaoglu

SOFTWARE ARCHITECT, SENIOR FULL STACK SOFTWARE ENGINEER

Profile

Passionate about **high-performance software development**, I specialize in **scalable architectures, cloud solutions, and full-stack development**. With **12+ years of experience**, I have successfully delivered **enterprise-grade applications** for industries including **public safety, law enforcement, and e-commerce**.

Expertise & Contributions

- **Test-Driven Development (TDD) & Scalable .NET Architectures:** 12+ years of experience in .NET Core/.NET Framework.
- **Frontend Mastery:** 2+ years of React, 4+ years of Angular, 12+ years with JavaScript/TypeScript, and expertise in modern UI frameworks.
- **Open Source & NuGet Contributor:** Developed multiple high-impact **NuGet packages** (100K+ downloads).
- **Cloud & Distributed Systems:** Extensive experience in **Azure, microservices, Kubernetes, and event-driven architectures**.
- **Agile & Scalable Development:** Strong advocate of **KISS, DRY, and YAGNI** principles, feature toggling, and trunk-based development.

Professional Experience

As a Senior Software Engineer at Axon, I work on **mission-critical** public safety solutions **used globally by law enforcement agencies**. My **key contributions include:**

- Optimized **large-scale device log ingestion** (Taser 7 & Taser 10), reducing processing times from minutes to seconds.
- **Enhanced system scalability:** Increased concurrent request handling with .NET performance tuning.
- **Improved API response time:** Leveraged HttpClientFactory, reducing API latencies and boosting throughput 5x.
- **Worked on Axon's Commander platform:** On-premises solutions for regions with strict data regulations, modernized legacy architectures.

Technical Stack

.NET Core, Java/Kotlin, Angular, JavaScript/TypeScript, Azure (Functions, Service Bus, Storage, App Services), Resharper/Rider, MassTransit, Mediatr, CQRS, Entity Framework, xUnit, Hangfire, Jenkins, TeamCity, Octopus, Selenium, and more.

Experience - Employment History

Senior Software Engineer, Axon Public Safety UK, London

JUNE 2023 — PRESENT

Here at the Axon UK team, I have been working asynchronously with both the US and Vietnam team, using .net and react technologies, to develop the

Details

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Connect with Me

<https://okahyaoglu.net>

[Github Profile](#)

[Nuget Packages \(+90K Downloads\)](#)

Skills

.Net & C# Expert

Angular & React

Java (Kotlin and Scala) 2+ yrs

Microsoft Azure (Cosmos DB, Azure Service Bus)

Entity Framework, Dapper

CI: Jenkins, Github Actions, Teamcity, Kubernetes, Heroku

Testing: Xunit & NUnit

Jetbrains Resharper, Rider, WebStorm

APL (Alexa Presentation Language)

Redis

CSS, LESS, SASS

MSSQL, MySQL

Agile Software Development

JavaScript, jQuery

Web Services

Webforms

Ninject

TypeScript

Amazon Web Services

NuGet

Scrum (Software Development)

Languages

Digital Evidence Management system for customers/countries, who cannot use our cloud-based solution Evidence.com.

We have been developing the solution which can run on their on-premises infrastructure.

- Designing and implemented an API layer using .net technologies (a wide variety from Visual Basic to .Net 6) that enabled data integration with external systems in Digital Evidence Management Systems (DEMS)
- Working at the front-end using React
- **Optimized Taser 10 & Taser 7 device log ingestion:** Increased throughput from 8 to 400 Virtual Users (VU) in K6 load tests.
- **Reduced database query times:** Improved API response from 2 minutes to 3 seconds by eliminating unnecessary tracking overhead.
- **Enhanced large-scale processing:** Optimized memory allocation & garbage collection, reducing timeout failures under heavy load.
- **Modernized legacy systems:** Migrated on-premise applications to scalable .NET Core solutions.

Tech Stack: .NET Core, C#, Azure (Functions, Service Bus, Storage, App Services), Entity Framework, xUnit, MassTransit, Mediatr & CQRS, Hangfire, TeamCity, Octopus, React, SQL Server

SENIOR SOFTWARE DEVELOPER, Amazon Alexa, London

OCTOBER 2022 — JUNE 2023

- As being a SDE2 in Amazon, in the Alexa Shopping Multimodal Experience team, we are focusing on developing rich customer experiences.
- They, as expected, running on AWS services and we are using APL language in the front-end side, Kotlin on the backend side.
- This position enabled me to do development on Java technology stack.
- Tech Stack: AWS, Java/Kotlin, Alexa Presentation Language (APL), many other internal tools

SOFTWARE ARCHITECT, ENERJISA URETIM, Istanbul

JANUARY 2019 — OCTOBER 2022

- Within Enerjisa Uretim, we develop corporate projects that are being used in our powerplants all over Turkey.
- We work fully Agile by the way. Unit test and UI testing is so much important for us to ensure high quality of our projects.
- I can clearly state that we are developing .netcore&Angular 8 stack applications using Aspnetzero/Aspnetboilerplate frameworks.
- Tech Stack: AspnetBoilerplate, AspnetZero, Angular, Typescript, .net core, Azure

LEAD DEVELOPER, VEKTORA CONSULTANCY, Istanbul

DECEMBER 2016 — JANUARY 2019

- Worked as a Lead Consultant in Vektora. We implemented large integrations, internal and external web application according to our customer needs. As consultants, we were 7/24 available due to the fact that we are responsible of huge external systems like: Vestel.com.tr, Regal-tr.com, Garenta.com.tr and so on.
- I was also responsible about Framework Development within the company, which is being distributed among most of our projects.
- Tech Stack: SOA architecture, wcf/asmx, webforms, mvc, .netcore, ef, ninject, svn/git, ms sql, heroku, jquery, and many front-end

English

Turkish

French

Hobbies

Love online gaming (CSGO & Dota),
Cat-dad

technologies.

SENIOR FULL-STACK DEVELOPER, HOSTAMEDIA WEB AGENCY, Istanbul

OCTOBER 2012 — DECEMBER 2016

- Hostamedia could be counted as my first professional software experience; I started there as junior developer, worked for almost 4 years (with a 6 month break due to military services).
- The company is so popular within the Hotel Websites sector of the web agencies; they got strong references like The Marmara Hotels, The House Hotels, Avantgarde Group and so on.
- We were mostly doing back-end integrations to their prebuilt CMS systems. After some time, I started developing plugins for the CMS systems and contrib part of the company Framework.
- Tech Stack: Webforms, LLBLGEN (instead of EF), .net 3.5, svn, ms sql, jQuery and many other front-end technologies.

Education

Bachelor of Science in Management Information Systems, Bogazici University, Istanbul

Within the excellent department of MIS, I had education about numerous topics of business life additional to software development.

Additionally, I had extra courses from Computer Science and BIS Departments which would be helpful in my future life, in my opinion.

When it comes to my thesis, I created a project using AHP algorithm of Decision Support Systems.

SEPTEMBER 2007 — JANUARY 2012