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| |  |  | | --- | --- | |  | 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 tim**e: 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 HistorySenior 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 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 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.  EducationBachelor 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 | Details United Kingdom  [oguzhan.kahyaoglu@yahoo.com](mailto:oguzhan.kahyaoglu@yahoo.com) Connect with Me <https://okahyaoglu.net>  [Github Profile](https://github.com/oguzhankahyaoglu)  [Nuget Packages (+90K Downloads)](https://www.nuget.org/profiles/oguzhan.kahyaoglu) 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 English   |  |  | | --- | --- | | Turkish | | |  |  |  |  |  | | --- | --- | | French | | |  |  |  Hobbies Love online gaming (CSGO & Dota), Cat-dad |