

# Dmitry Kosarev, software engineer, web developer

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## SUMMARY

I can independently set up a distributed network with OAuth authentication in C#, Aspnetcore with several microservices, databases connected via Azure bus or RabbitMQ, with Redis caching, logging, wrapped in Kubernetes and Docker containers. I can automatically deploy all these entities in AZURE. Network nodes will interact via Grps, REST and GraphQL. I can create websites using Angular, React and Nextjs libraries, Blazor, Razor. I will create database schemas, write queries using EfCore, Dapper, Prisma, Drizzle ORM or "native" SQL, provide optimization. This approach and my skills, in my opinion, correspond to modern ideas about how a distributed application should look.

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## WORK EXPERIENCE

12/2022 – Present	Software developer, Individual entrepreneurship / private practice / freelancing	Serbia, Novi Sad
	<b>Used: Aspnetcore, Nodejs, Reactjs, Nextjs, EfcCore, TailWindCss, gRPC, REST, Azure appservices, Azure functions, azureDevOps, Docker, Kubernetes, Redis, Azure service bus, RabbitMQ, Duende, MongoDB, Xunit, Moq, Substitute, Powershell, bash</b>	
	<ul style="list-style-type: none"><li>Engineered DotNet applications using C#, React, RabbitMq, Redis ensuring seamless user experiences.</li><li>Deployed solutions on Azure, leveraging cloud capabilities for enhanced performance.</li><li>Utilised libraries and frameworks including Aspnetcore, Nodejs, and SQL to build robust applications.</li></ul>	
04/2021 – 10/2022	Senior developer, EGAR Technology	Moscow, Russia
	<b>Used: Net Core, PostgreDb, OracleDB, gRPC, Xunit, Substitute, RabbitMQ, Swagger, EfcCore, Docker, Jira, Powershell</b>	
	<ul style="list-style-type: none"><li>Spearheaded WebAPI development to enhance system integration and interoperability.</li><li>Conceptualised modular components reliant on a centralised library, streamlining workflows significantly.</li><li>Crafted and optimised SQL queries for PostgreSQL and OracleDB to improve database performance.</li><li>Diagnosed and resolved numerous bug-fixing incidents, improving software reliability.</li><li>Augmented test coverage through strategic improvements, fostering higher quality standards.</li><li>Implemented unit tests with xUnit and Substitute to ensure robust software functionality.</li><li>Facilitated planning and estimation processes using Jira to enhance project management.</li><li>Orchestrated CI/CD pipelines for testing and delivering applications efficiently.</li></ul>	
09/2020 – 04/2021	Senior software developer, Master spark	Moscow, Russia
	<b>Used: NET framework, C#, WPF, Modbus protocol, ZedGraph package, nunit</b>	
	<ul style="list-style-type: none"><li>Developed WPF device app for studying the state of building structures by an optical method. focusing on user-centric design and functionality.</li><li>Designed software architecture to support scalability and maintainability.</li><li>Collaborated on UI design, ensuring an intuitive user experience.</li><li>Created reusable software components to promote efficiency and consistency across projects.</li></ul>	
05/2019 – 08/2020	Web developer, TerraLink	Moscow, Russia
	<b>Used: NET Framework, SharePoint, MS PowerApps, Office365, Powershell</b>	
	<ul style="list-style-type: none"><li>Provided ongoing project support for SharePoint CRM developments, ensuring smooth operations.</li><li>Devised and implemented new features to meet evolving client requirements.</li><li>Provide integration with Office365</li><li>Developed app using Power apps</li><li>Optimised customer resource allocation, resulting in a significant reduction in turnaround time.</li></ul>	

12/2018 – 05/2019      Web developer, Impeltech      Moscow, Russia

**Used: .NET Framework, C#, MVC, WebApi, T-SQL, NHibernate, Razor Pages, Swagger, Autofac, OrchardCMS, ELMA BPMS, Bootstrap**

- Performed both back-end and front-end development using CRM Orchard, MVC, WEBAPI, enhancing application functionality.

02/2018 – 09/2018      Head of the software division, Zeldoripoteka      Moscow, Russia

**Used: NET Framework, C#, MS SQL, ASP.NET, JS, MVC, Google Maps API, MongoDB**

- Established communication channels with business stakeholders to align technology with organisational goals.
- Served as db administrator, ensuring data integrity and availability.
- Developed addons for budgeting app
- Designed and developed the company's internal website, improved resource access, increased usability of programming applications

03/2010 – 01/2018      Head of Information Protection department, Zeldoripoteka      Moscow, Russia

**Used: Technologies: NET Framework, C#, ASP.NET, VB, MS SQL, MongoDB, CronosPRO, Telerik UI, Vanilla js, Bootstrap, jQuery, Entity framework, ADO.NET, Adobe Photoshop, MS Office.**

Developed the following:

- Department report provision in the area of its competence.
- Accounting of correspondences between departments, assignment of responsibilities, and monitoring of implementation. Integrated with MS Office
- Visitor registration. Integration with office video surveillance systems. Events tracking of EM Cards using on door readers with electronic locks.
- Job candidate assessment
- Docflow app
- MS SQL databases, CronosDB (network data model db with Lua client query), MongoDB
- Accounting software Add-ons
- Several CLI and WPF apps for different purposes

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## EDUCATION

09/1996 – 05/2001      Plekhanov Russian University of Economics      Moscow, Russia

Higher

- Statistics

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## CERTIFICATION

- DEV235x Asynchronous Programming in C# and .NET Core - Microsoft
- DEV204.3x Algorithms and Data Structures in C# - Microsoft
- DEV258x Data Access in C# and .NET Core - Microsoft
- DART.IMT. C programming - Dartmouth College
- CS50's Introduction to Artificial Intelligence with Python

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## SKILLS

C#	SQL	NoSQL
Aspnetcore	Nodejs	CSS
React	Azure	Docker
Kubernetes		

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## LANGUAGES

Russian (Native)	English (C1)
German (A2)	Serbian (A1)