



Konstantin Saltuk

Software Developer

Experienced Software Developer with strong fundamental knowledge of Computer Science. Love to deep dive into frameworks and languages and understand core principles.

My superpower is never giving up. When the task seems hard and there is no straightforward solution, I prefer using systematic approaches: Build some mind maps or write down possible ways to solve the problem and check them one-by-one.

Contact



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[saltukkos](https://t.me/saltukkos)

Hard skills

- **Languages:**
 - Primary: C#
 - Familiar: C, C++, C++\CLI, Java, SQL
- **Tools and SDKs:**
.NET, Roslyn Analyzers, Roslyn Source generators, ReSharper, Rider, Visual Studio, dotTrace, dotMemory
- **Libraries and frameworks:**
.NET Core, ASP.NET Core, Autofac, Serilog, Protobuf, Castle dynamic proxy
- **Testing:** NUnit, Moq
- **CI/CD:** TeamCity
- **Issue tracking:** YouTrack

Soft skills

- Critical thinking
- Openness to criticism
- Teamwork
- Decision-making
- Communication

Language

English - B2

Russian - Native

Experience

○ Jul, 2017 - Jun, 2019

Cadwise-N | Novosibirsk

Software Engineer

Implemented new features for CAD application (technical documentation generation, engineering calculations).

Fixed different bugs in complex engineering calculations.

Profiled and improved performance of the application.

○ Jun, 2019 - Present

Cadwise-N | Novosibirsk

Development Team Lead

Developed and implemented collaborative data model for the new applications. Model supports multi-user interaction, history control and at the same time allows to work offline. It's based on CRDT and merged it with version control system principles.

Developed the ASP.NET Core application that handles data sharing between users of above-mentioned model.

Designed heavily-asynchronous and concurrent framework for the new engineering applications and implemented critical parts of it.

Implemented bunch of analyzers that prevent architecture bound violations, control code conventions and prevent common errors when using above-mentioned framework.

Designed and Implemented custom Task-like type that changes normal C# async behavior and allows to use async\await pattern in legacy platform.

Implemented the Lifetime pattern in terms of Autofac IOC-container to reduce amount of boilerplate and possible resource leakages.

Profiled the application on a regular basis to monitor performance and reduce amount of memory traffic, some fixes made the application faster by several orders of magnitude in different workloads.

Project management and leadership:

Starting from the end of 2021 I'm also responsible for communication with product managers and planning the development process. I host planning meetings, listen product managers and decide which tasks should be done to achieve the goal.

Education

Computer Science, Bachelor's degree

Novosibirsk State University, 2014 - 2018

Graduated with **High Honors** (4.93 out of 5)

Learned Computer science basics, algorithms, and OOP, mathematical logic and calculus.

Got familiar with C, C++, Java, C# and SQL

Computer Science, Master's degree

Novosibirsk State University, 2018 - 2020

Graduated with **High Honors** (5.0 out of 5)

Dived deeper in algorithms, compile and translation theory.

Diploma: Collaborative data model based on CRDT with VCS approach.