

Bogdan Novosad

Senior Software Engineer

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Summary

I am a Software Engineer with 11+ years of extensive experience in software development across various roles.

I am open to new job offers as Senior C# backend engineer or Full-Stack Engineer. Can work as a contractor from Spain.

Backend: c#, .net core, .net framework, EF, Dapper, MediatR, gRpc,

Databases/storages: MSSQL, PostgreSQL, MongoDB, Redis, S3.

Frontend: Vue, pug, Angular, Bootstrap or clean CSS.

Testing: xUnit, Autofixture, Moq, FluentAssertions.

DevOps: docker, Kubernetes, GitOps, PowerShell, bash, Gitlab-ci, Github, AWS, Linux administration.

Architectures: MVC, SPA, layered, hexagonal, monolith, microservices, event-driven, CQRS, REST.

Methodologies and principles: Agile, SOLID, 12 factors, TDD.

Experience

Aspose **April 2023 - Present**
Senior Full-Stack Engineer remote from Spain

<https://www.aspose.com/>

I work with 10 developers using scrum methodology on company SaaS projects. I am responsible for designing new projects

architecture, database design, full stack development, DevOps tasks, and systems health monitoring.

- Designed architecture and developed in a team a new online document viewer. It's a SaaS application with .net 8 microservices, SPA fronted on Angular 14, AWS S3 for files, and PostgreSQL for databases. The new application solved

problems with stability, and performance, and added new functionality. The use of hexagonal architecture and solid

principles allowed to create of easily maintainable and testable code, allowing to quickly add new functionality. The redesign of the viewer also helped to attract and retain new users.

- Developed AI assistant based on OpenAi assistants API for our documentation. This has helped to significantly reduce

the number of requests to our support forum, and increase user satisfaction with our product.

- Set up CI/CD across multiple projects using GitLab CI, and Argo

Aspose remote
Senior Software Engineer

<https://products.aspose.com/words/>

- Created a tool that collects library performance metrics for different scenarios on customer documents.

Compares

these metrics between commits. Integration of this tool in CI/CD pipeline helps to find the exact commit where a specific performance issue was introduced. Allows developers to maintain a high level of library performance from release to release.

- Set up a knowledge base with VuePress and custom written plugins for the layout team. This allows information on

the operation of the library's layouts, which greatly speeds up analyzing problems and adding new functionality.

- Implemented new layout algorithms responsible for clipping behavior of different objects. This solved dozens of customer problems.

Adicom **July 2014 - September 2018**
Full-Stack Engineer

- Introduced unit testing with xUnit and Autofixture to a team. Tests have become more readable and maintainable.

- Solved a performance issue that prevented the project from being put into operation. Did some system performance

testing with JMeter to make sure the problem was indeed resolved.

- Moved some of the functionality of the monolithic project into separate microservices to improve performance.

Education

Moscow Aviation Institute (National Research University) **September 2011 - June 2013**
Computer Science Master's

<https://mai.ru/>

Moscow Aviation Institute (National Research University) **September 2007 - June 2011**
Computer Science Bachelor's

<https://mai.ru/>

Certifications

EF Standard English Test 74/100 (C2 Proficient) **February 2024**
EF SET

[certificate](#)

MCSA: Web Applications **September 2016**
Microsoft

[certificate](#)

MCPS: Microsoft Certified Professional **July 2015**
Microsoft

MS: Programming in C# **July 2015**
Microsoft