A person wearing glasses and a black shirt

AI-generated content may be incorrect.**Andrei Bychko**  
Senior/Lead .NET Developer / Tech Lead  
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**Summary**

Senior/Lead Software Developer with 18+ years of enterprise experience in building .NET (C#, VB.NET, SQL with/without Entity Framework) software systems: fin-tech, SCADA, PLM.

Worked mostly with back-end, but also with different clients (desktop, WebForms, MVC), architectures, patterns and approaches (monolithic and microservices), cloud platforms (Azure and AWS), VCS (Perforce, TFS, SVN, GIT) and CI/CD systems (NANT, CC.NET, Jenkins and Azure DevOps), queue messaging systems (MSMQ, RabbitMQ, Kafka), file formats (XML, JSON, ZIP, XLS, XLSX, INI, CSV), graphics (WinAPI GDI, GDI+, OpenGL). I also had hands-on experience with: Assembler, Delphi, LISP, VHDL, MS Interops and OpenXML, log4net, RegEx, CUDA, Map+Reduce (BigData), MiniSAT, Solr.

Unit tests: NUnit, TDD.

About 5 y/exp developing architecture and writing requirements and specifications. Almost 1 year of leading team (PMI/waterfall and Agile/SAFe), mentoring teammates and conducting technical interviews.

Looking for challenging tasks in modern or legacy enterprise solutions.

**Education**

Master's Degree in Computer Science  
[[Belarussian State University of Informatics and Radioelectronics](https://www.bsuir.by/en/), Belarus, 2018]

**Languages**

* English (B2+)
* Russian, Belarussian (native)
* Polish (B1)

**Pet Project:** AabSemantics – open-source C# framework for semantic networks. [GitHub](https://github.com/CourageAndrey/AabSemantics), [wiki](https://github.com/CourageAndrey/AabSemantics/wiki), [NuGet package](https://www.nuget.org/packages/AabSemantics).

**Professional Experience**

**02.2015 – 12.2020 and 04.2023-present**  
**Senior .NET Developer at Aras corp**  
*PLM system*

* Collected and validated technical requirements.
* Designed data models and algorithms to match these requirements.
* Wrote comprehensive specifications to describe them.
* Implemented all this stuff in C# code, refactored and bugfixed.
* Led development team of 2 dev + 1 QA, performed code reviews.
* Worked with 3rd party components (FullText, AI, etc), Jenkins and Azure DevOps pipelines.
* Created the whole Content Modelling Framework with Data Auto Migration subsystem. Well-documented, good-written, covered by unit tests, DAM really works and prevents data corruption.
* Managed to finish Graph Navigation project in 9 months (7 planned) despite work scope had been suddenly doubled two weeks before planned release.
* Rewrote existing data synchronization solution, which then was used to develop and launch Mars rover.
* Developed customizable inner Workflow engine, based on Aras Innovator, and WorkflowCore package.
* Accelerated x200 SQL stored procedure which indexed files for full-text search subsystem.
* Accelerated x50 method which opens search panels for complicated full-text search configurations.
* Accelerated x5 method which migrates data of extended data submodule.

**06.2021 – 12.2022**  
**Senior .NET Developer at Epam LT**  
*Overcomplicated FinTech system*

* Bugfixed C# and VB.NET multi-threading code with remote calls.
* Refactored plugins system.
* Mentored junior developers.
* Conducted technical interviews.

**Also worked in (08.2008 – 03.2023):**

* iTechArt Group LT
* Godel Technologies Europe
* Visutech Systems
* MODIS-M
* Belarussian State Publishing House
* Belhard Group