



ANTON RYZHOV

Helsinki, Finland August 12th, 2022
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PROFILE

IT professional with 15+ years of hand-on experience in database and software development in client/server and multi-tier environments.

MAIN FIELD

Strong expertise in:

- mathematics, algorithm development, optimizations;
- .NET Framework 2.0-4.8, .NET Core 1.0-3.1, .NET 5-7, C# 6-11, F# 4-5; C++17-20;
- SQL Server, SQLite, database development;
- .NET development and .NET code integration with COM- and native code in Windows and Linux;
- .NET related technologies and tools.

For the complete list of skills, please see [Skill Matrix](#).

PROFESSIONAL EXPERIENCE

June 2021 – Present **Senior C++ Software Engineer**
DISQO, Helsinki, Finland (www.disqo.com)

Projects: ▪ Development of drivers and services for Windows

Visual Studio 2019-2022, C++ 17-20, cmake, vspkg, GitLab¹

April 2018 – May 2021 **Senior Software Developer (.NET)**
Verto Analytics, Helsinki, Finland (www.vertoanalytics.com)

Projects: ▪ WPF application. Various console tools.

Visual Studio 2019, .NET Framework 4.5+, .NET Core, C# 6-9, WPF, Amazon Cloud Services, Apache Avro, Continuous Integration, Jenkins, GitLab, Robot Framework

January 2017 – March 2018 **Senior Software Developer / Technical Architect (.NET)**
Accenture, Riga, Latvia (www.accenture.com)

Projects: ▪ ASP.NET Core application with MS SQL database.

Visual Studio 2015-2017, .NET Core, C#, ASP.NET Core, IIS, HTML, CSS, XML, JavaScript, MS SQL Server, Dapper, Continuous Integration, TFS

January 2009 – December 2016 **Software Development Expert (.NET)**
PROGNOZ, Perm, Russia (www.prognoz.com)

- Projects: ▪ Backend Services for DataM web portal².
- User interface, data tables, charts and integration with IMF SDMX-service³ for PGI Data Explorer and AfDB Statistics iPad/iPhone applications.
 - User interface, data tables, charts, backend service and integration with World Bank Indicators database for World Bank DataFinder iPad/iPhone application⁴.

1. For the complete list of skills please see [Skill matrix](#).

2. <http://www.datamweb.com>

<http://itunes.apple.com/us/app/world-bank-datafinder/id349081196>

3. <http://sdmxws.imf.org/Gateway/>

http://sdmxws.imf.org/IMFStatWS_SDMX/sdmx.asmx

4. <http://data.worldbank.org>

- Various parts for Economic Outlook Suite (EcOS). It is the suite for data collecting, analysis, aggregation, validation and visualization, used by IMF to publish World Economic Outlook⁵. My work includes modules for desktop UI, integration with SharePoint portal, ASP.NET report viewer, data import and export from and to timeseries databases using SDMX format, services to query data in SDMX format, application server and task execution scheduler, add-ins for MS Excel and EViews to work with timeseries databases.

Visual Studio 2008-2015, .NET 2.0-4.6, C#, ASP.NET, ASP.NET MVC, ADO.NET, IIS, HTML, CSS, XML, MS Office 2007-2013, JavaScript, TypeScript, PROGNOZ Platform, MS SQL Server 2005-2012, SQLite, X Code, MAC OS X, Objective-C

March 2015 – July 2015 **Software Analyst-Developer**
Persis, Perm, Russia (www.persis.ru)

Projects: ▪ Backend services, UI modules, integration with government data for WinForms application used by government contracts executors.

MS Visual Studio 2013, .NET 4.0-4.5, C#, DevExpress Components, ASP.NET, ASP.NET MVC, ADO.NET, IIS, HTML, CSS, XML, MySQL Server, SQLite, FirebirdSQL

March 2014 – February 2015 **Software Analyst-Developer**
Terminal.Ru (chain of stores), Perm, Russia

Projects: ▪ Commodities price data gathering and analysis system, integration with Yandex.Market.
▪ Sales forecasting and purchases planning system development and implementation, including math model and algorithms; implementation in .NET/SQL Server.
▪ ASP.NET MVC portal for internal use.

MS Visual Studio 2013, .NET 4.0-4.5, C#, ASP.NET MVC, ADO.NET, IIS, HTML, CSS, XML, MS Office 2013, MS Windows Server 2012, MS SQL Server 2012

2007 – 2008 **Software Development Team Lead**
RichSoft, Perm, Russia

Projects: ▪ Backend services, SQL Server database and pocket computer client for warehouse management system.
▪ UI and database for café management application.
▪ Small tool for scanning paper documents and for text recognition.

MS Visual Studio 2008, MS SQL Server 2005, C#, MS Office 2003, MS Windows Server 2003, .NET Compact Framework, Borland Delphi 7

2006 – 2007 **Software developer**
West-Ural Information Company, Perm, Russia

Projects: ▪ Various websites and web applications for mobile devices and internal use.
PHP 4, MySQL Server, MS .NET 1.1, HTML, WML, XML, XSLT

2002 – 2006 **Engineering manager**
ORION Company, Perm, Russia

Projects: ▪ Linux internet server installation and administration, containing web sites, mail servers, file servers and various game servers.
▪ Enterprise network designing and development.

<http://itunes.apple.com/us/app/world-bank-datafinder/id349081196>
5. http://www.prognoz.com/en/news_10_18_2010.php
<http://www.oecd.org/dataoecd/42/58/46736708.pdf>

- Tool for sales accounting in the computer hardware shop.

Microsoft Windows 2000-XP, Microsoft Windows Server 2000-2003, AD, IIS 5, Linux, Apache, MySQL Server, Firebird Server, PHP 4, HTML, Borland Kylix 3, Borland Delphi 7, VBA.

1999 – 2001 **Web site developer**
Laztech company, Perm, Russia

1997 – 2000 **Computer technician**
High school, Perm, Russia

EDUCATION

1997 – 2001 – (not graduated) Perm State University; Faculty of Mechanics and Mathematics; Applied Mathematics, System Programming.

2010 – 2016 – (not graduated) Perm State Technical University; Applied Mechanics and Mathematics, Information Systems and Technologies.

2016 – 2018 – Bachelor degree. “Synergy” university, Moscow branch; Information Systems and Technologies.

2011 – Stanford University online courses. [Introduction to AI \(94.7%\)](#). [Machine learning \(99.6%\)](#).

HOBBIES

Beautiful, interesting and unusual programming concepts and algorithms. Architectures of operating systems, assemblers, compilers, CPU level programming. Cycling, chess, piano.

OPEN SOURCE PROJECTS

.NET wrapper for libbzip2. Functional parser combinators in C#, symbolic math library. [See GitHub](#).

LANGUAGES

Russian	Native
English	Advanced

OTHER AWARDS

May 1999	▪ Prize-winner of the 1 st individual programming contest of Perm State University among students (3 rd place).
July 2004	▪ Prize-winner of the Gigabyte computer assembly contest (2 nd place).