



# ANTON RYZHOV

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## PROFILE

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

## MAIN FIELD

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.NET Framework, C# programming language, Visual Studio, MS SQL Server, related technologies and tools. For the complete list of skills, please see [Skill Matrix](#).

## PROFESSIONAL EXPERIENCE

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### January 2017 – Present

#### Team Lead (.NET)

Accenture, Riga, Latvia ([www.accenture.com](http://www.accenture.com))

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

MS Visual Studio 2015, .NET Core, C#, ASP.NET Core, IIS, HTML, CSS, XML, JavaScript, MS SQL Databases, Dapper

### July 2015 – December 2016

#### Software development expert (.NET)

JSC «PROGNOZ», Perm, Russia ([www.prognoz.com](http://www.prognoz.com))

Projects: ▪ Add-in development for MS Excel to work with EcOS time series databases and time series data.

▪ Web portal for DataM (<http://www.datamweb.com>). My contribution to the project: - client and server parts of the browse data dialog.

MS Visual Studio 2013-2015, .NET 4.0-4.6, C#, ASP.NET MVC, ADO.NET, IIS, HTML, CSS, XML, MS Office 2013, JavaScript, TypeScript<sup>1</sup>

### March 2015 – July 2015

#### Software analyst-developer

Persis, Perm, Russia ([www.persis.ru](http://www.persis.ru))

Projects: ▪ Server and desktop parts development of the application for the government contracts executors.

▪ Services development for data collection and analysis of government purchases.

MS Visual Studio 2013, .NET 4.0-4.5, C#, DevExpress Components, ASP.NET, ASP.NET MVC, ADO.NET, IIS, HTML, CSS, XML, MS Office 2010-2013, MySQL Server, SQLite, FirebirdSQL

### March 2014 – February 2015

#### Software analyst-developer

Terminal.Ru (chain of stores), Perm, Russia

Projects: ▪ Yandex.Market client – commodities prices data gathering and analysis.

▪ Sales forecasting and purchases planning system development and implementation:

- math model and algorithms;

- implementation in .NET/MSSQL.

▪ 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

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

2009 – February 2014

### Senior analyst (software developer)

JSC «PROGNOZ», Perm, Russia ([www.prognoz.com](http://www.prognoz.com))

- Projects:
- PGI Data Explorer. It is mobile application for iPad. It represents the alternative mobile version of the IMF portal<sup>2</sup>. I implemented the following parts:
    - user interface, viewing data in table, chart and map modes;
    - ability to get and view data from the IMF SDMX-service<sup>3</sup>.
  - AfDB Statistics. It is mobile application for iPad, developed for African Development Bank. It represents the mobile software version of the AfDB Statistics Pocketbook. It is similar to Datafinder<sup>4</sup> by its functionality.
    - ability to load and update predefined reports from the ASP.NET-service.
  - DataFinder. It is mobile application for iPhone/iPad, developed for World Bank. It represents the mobile software version of The World Bank Little Data Book. The application also has access to the World Bank Indicators database. It allows viewing the data in the table or chart modes<sup>5</sup>. I implemented the following parts:
    - user interface, viewing data in table and chart modes;
    - ASP.NET-service to allow the application to load and update the data.
  - Multi-tier system for company planning departments. Makes it possible to automate creation, examination and approving the various strategies for company development. It has web interface and back-end windows application for administration. I implemented:
    - user interface in ASP.NET; reports editor in Silverlight;
    - procedures and rules to analyze the reports data by the use of EcOS tools.
  - Economic Outlook Suite (EcOS). It is the suite for data collecting, analysis, aggregation, validation and visualization. It is used by IMF to prepare World Economic Outlook<sup>6</sup>. My contribution to the project:
    - module for editing, running and debugging of the time series calculation procedures;
    - ASP.NET web site for viewing reports; Sharepoint web-part for viewing reports;
    - module that implements drag'n'drop behaviors of objects;
    - data import and export modules from and to SDMX; WCF and ASP.NET web services to query data in SDMX format;
    - application server and task execution scheduler in .NET,
    - add-in for MS Excel to work with EcOS time series databases and time series data,
    - add-in for EViews to work with EcOS time series databases and time series data.
- Tools: MS Visual Studio 2008-2013, .NET 2.0-4.5, C#, ASP.NET, ASP.NET MVC, ADO.NET, IIS, HTML, XML, MS Office 2007-2013, MS Windows Server 2003-2012, PROGNOZ Platform, MS SQL Server 2005-2012, SQLite, X Code, MAC OS X, Objective-C, Eclipse, Java

2007 – 2008

### Software Developing Team Lead

RichSoft, Perm, Russia

- Projects:
- Warehouse management system. It consists of client application for pocket computer, administration application for PC and reporting system.
  - Café management system. It allows to account for raw materials, orders and to manage cooking time. The system has workplaces for cashiers, waiters and cooks.
  - Small tool for scanning paper documents and text recognition.
- Tools: MS Visual Studio 2008, MS SQL Server 2005, C#, MS Office 2003, MS Windows Server 2003, .NET Compact Framework, Borland Delphi 7

<sup>2</sup> <http://www.principalglobalindicators.org/default.aspx>  
<http://itunes.apple.com/us/app/pgi-data-explorer/id427130400>

<sup>3</sup> <http://sdmxws.imf.org/Gateway/>  
[http://sdmxws.imf.org/IMFStatWS\\_SDMX/sdmx.aspx](http://sdmxws.imf.org/IMFStatWS_SDMX/sdmx.aspx)

<sup>4</sup> <http://itunes.apple.com/bw/app/afdb-statistics/id407729464>

<sup>5</sup> <http://data.worldbank.org>  
<http://itunes.apple.com/us/app/world-bank-datafinder/id349081196>

<sup>6</sup> [http://www.prognoz.com/en/news\\_10\\_18\\_2010.php](http://www.prognoz.com/en/news_10_18_2010.php)  
<http://www.oecd.org/dataoecd/42/58/46736708.pdf>

2006 – 2007

**Software developer**

West-Ural Informational Company, Perm, Russia

Projects:   ▪ Various web applications for mobile devices (cell phones). Web application allows users to preview multimedia files and load them to cell phone. Also web application allows content managers to update the contents of the web site, view statistics and analyze user's preferences.

Tools:    PHP 4, MySQL Server, MS .NET 1.1, HTML, WML, XML, XSLT

2002 – 2006

**Engineering manager**

ORION Company, Perm, Russia

Projects:   ▪ Installation and administering of internet server, that worked under linux and contained web sites, a mail server, a file server and various games servers.  
▪ Planning and development of the enterprise local network with about 80 workstations and 2 servers, including software installation and deployment, security consulting.  
▪ Tool for sales accounting in the computer hardware shop.  
▪ Teaching the staff of companies in "Practical using of Microsoft Office Suite".

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

1999 – 2001

**Web designer**

Laztech company, Perm, Russia

1999 – 2000

**Computer technician**

High school N27, Perm, Russia

EDUCATION

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

2010 – present (2017) – (incomplete education, not graduated) Perm State Technical University; Faculty of Applied Mechanics and Mathematics; Information Systems and Technologies.

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

HOBBIES

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Beautiful, interesting and unusual programming concepts and algorithms.  
Architectures of operating systems, assemblers, compilers, CPU level programming.  
Artificial intelligence and AI systems.  
Cycling, playing chess.

LANGUAGES

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Russian	Native
English	Advanced

OTHER AWARDS

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