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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

.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

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

Projects: ▪ WPF application.

MS Visual Studio 2017, .NET Framework 4.5+, .NET Core, C# 7, WPF, Amazon Cloud Services (AWS), Apache Avro¹

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.

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

January 2009 – December 2016 **Software development expert (.NET)**
JSC «PROGNOZ», Perm, Russia (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.
▪ PGI Data Explorer. It is mobile application for iPad. It represents the alternative mobile version of the IMF portal². 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-service³.
▪ 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 Datafinder⁴ 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

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

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

³ <http://sdmxws.imf.org/Gateway/>
http://sdmxws.imf.org/IMFStatWS_SDMX/sdmx.aspx

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

World Bank Indicators database. It allows viewing the data in the table or chart modes⁵. 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 Outlook⁶. 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 and EViews to work with EcOS time series databases and time series data.
- MS 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, Eclipse, Java

March 2015 – July 2015 **Software analyst-developer**
Persis, Perm, Russia (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

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

- Projects:
- Warehouse management system consisting of the client application for pocket computers, the administration application for PC and the reporting system.
 - Café management system to account for the raw materials, orders and to manage cooking time. The system has workplaces for cashiers, waiters and cooks.
 - Small tool for scanning paper documents and for 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

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

⁶ 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 to preview and load multimedia files.
 - Web applications to manage the contents of a 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 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. Artificial intelligence and AI systems. Cycling, playing chess, playing piano.

OPEN SOURCE PROJECTS

[BZip2Stream](#)

.NET wrapper for libbzip2

[Parsing combinators](#)

Library for constructing parsers in a functional way in C#, plus symbolic math library.

LANGUAGES

Russian Native

English Advanced

OTHER AWARDS

May 1999

- Prize-winner of the 1st individual programming contest of Perm State University among students (3rd place).

July 2004

- Prize-winner of the Gigabyte computer assembly contest (2nd place).