

Sergey Drozdov

Software Engineer / Full-Stack .NET Developer



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Summary

Result-oriented software engineer with over 20 years of experience specializing in full-stack development. Skilled in back-end/front-end development and distributed systems. Proficient at designing and implementing scalable and maintainable software solutions. Implemented a lot of projects using different technologies.

.NET Framework and .NET Core, C# for back-end; with front-end experience in commercial development using JavaScript, Angular, React, TypeScript, npm. Worked with different databases like Microsoft SQL Server, MySQL, MariaDB, PostgreSQL, MongoDB, SQLite. Besides, has solid experience in user interface design and performance optimization. Moreover, experienced in Web API development and API documentation using Swagger/NSwag.

Always following modern development methodologies. Can act both as a communicative strong single developer and an team member who enables processes, investigates and provides solutions for various tasks. Keeping an open eye for ways to make things better and improve the performance of my team and myself. Good collaborative skills.

► Documents: <https://sd.blackball.lv/job/intro> (soft skills, projects description)

Primary objective

Long-term work in a company as employee, in-house or hybrid/remote.

Secondary objective

Long-term work as contractor, B2B.

Hard Skills



Certifications

Microsoft Certified Technology Specialist

| Item | Date | Score |
|--|---------------|-----------|
| MCTS 070-515: Web Applications Development with Microsoft .NET Framework 4 | April 2012 | 892/1000 |
| MCTS 070-431: Microsoft SQL Server 2005 – Implementation and Maintenance | December 2008 | 1000/1000 |

Work Experience

Full-Stack .NET Developer / Contractor

October 2020 – 2024

Contract projects, several development jobs for customers.

- Migrated web projects from .NET Core 2.1 up to .NET 7;
- Migrated .NET Framework projects up to .NET Core;
- Migrated PHP project up to .NET Core;
- SQL Server administration; database and projects architecture development;
- Created SQL scripts to find duplicate records in a large data massive;
- Web API for Latvian National Ministry of Health;
- System administration, technical support; communicating with customers to perform feedback and provide technical support;
- Customer Relationship Management development;
- Reverse Engineering;
- CI/CD workflow;

Amerikas Auto Remote Maintenance Part-Time Pet project

2023 – 2024

<https://amerikasauto.com/>

Full-Stack .NET developer.

Car sales, transport certification, vehicle maintenance service and spare parts for all European and USA car models.

.NET Framework 4.8, ASP.NET Web Forms, C#, LINQ, jQuery, MS SQL Server 2019, Dapper, Git.

Trialto Latvia Remote

<https://trialto.lv/>

Full-Stack .NET developer.

Warehouse Management System

Software that streamlines every part of warehouse management – from receiving and storage to picking, packing, shipping, inventory tracking, and all the steps in between. Creating SQL Server jobs to manipulate data between SQL Servers.

.NET Framework (4.5.2, 4.6.2, 4.8), .NET Core 2.1, ASP.NET Web Forms, ASP.NET MVC, C#, VB.NET, LINQ, Made4Net SCExpert, AG Grid, Telerik, Visual Studio 2022 Community Edition, MS SQL Server 2019, ADO.NET, Entity Framework, GitLab.

Achievements: updated projects from .NET Framework 4.5.2 to 4.8.1. Implemented the SQL script to merge data from Axapta to SQL Server by schedule. Fixed and improved the code of previous developers: made different services for modules (rather than the previous solution with a class of 39,000+ lines with static methods and "coppaste" code repetition); removed code with SqlDataReader and inline SQL from .aspx files.

Reasons to leave: I want to work with a modern technology stack, not with an extremely legacy codebase (VB.NET, no any DRY, SOLID, KISS) created by previous developers years ago who didn't want to work with it anymore. I was not allowed to improve the code and move it to a new technology level.

EPAM Systems Remote

2022 – 2023

Backend .NET developer.

Planning system and risks assessment for oil trading companies.

Backend .NET role. Creating new functionality and extend existing modules.

.NET Framework 4.8, C#, LINQ, Web API, MS SQL Server 2019, Entity Framework, Git, Azure.

Achievements: implemented Windows Forms utility to update project's database before each release. The scripts had to be executed in a certain sequence, and I also used transactions.

Uniso + Contextprime (Remote) (Contract)

2021 – 2022

Full-Stack .NET developer.

Web service to extract medical entities, relations, and contextual attributes.

Implemented ASP.NET Core Web API to obtain data from the state medical registry.

.NET 5, C#, ASP.NET Core, Web API, MS SQL Server 2019, Entity Framework Core, Docker, Visual Studio 2019, Git.

Achievements: implemented ASP.NET Core Web API for queries to the state medical registry to obtain data and process XML files.

Akvelon (Remote) (Contract) (Short-term project)

.NET developer, member of the Microsoft team.

Windows Narrator enhancement.

Fix low-level Narrator bugs in .NET Framework 4.8.

.NET Framework 4.8, C#, Windows Forms, Git.

[Customer] (Remote) (Contract) (Short-term project)

Full-Stack .NET developer.

Cargo announcements service.

Board of transport services, announcement system to provide contacts between carriers and customers.

.NET 5, C#, ASP.NET Core, MS SQL 2019, Entity Framework Core, HTML5, CSS3, jQuery, Visual Studio 2019, Git.

Cifromatica (Remote) (Contract) (Short-term project)

September 2020 – 2021

Full-Stack .NET developer.

Document storage and processing system.

Developed a module for identifying originals and duplicates of documents among tens of thousands of records in the database.

.NET Framework 4.8, C#, ASP.NET MVC, LINQ, MS SQL 2019, Entity Framework, Git.

Achievements: implemented functionality to search for duplicates in the repository of documents sent by site visitors. Approximately 250,000 documents.

Software Engineer

December 2019 – August 2020

Jean Edwards Consulting On-site

<https://jeanedwards.com/>

Insurance software development.

.NET Framework 4.7.1, C#, VB.NET, LINQ, Windows Forms, Infragistics Windows Forms, MS SQL Server 2017, ADO.NET, Visual Studio 2019, TFS with Git, Azure.

Reasons to leave: I want to work with modern technologies stack, not with an extremely legacy codebase (VB.NET). Project was closed because of COVID-19.

Software Engineer

December 2018 – August 2019

OnTarget Labs, Inc. On-site

<https://ontarget-group.com/>

Insurance software development, enterprise registration and licensing solutions. Migrating ASP.NET Web Forms project Bank of America to ASP.NET MVC.

.NET Framework 4.7.1, C#, ASP.NET MVC, ReSharper, Telerik Kendo UI, Git, Oracle, jQuery, TypeScript, knockout.js, HTML5, Bootstrap; Visual Studio 2017, Jira, Confluence.

Reasons to leave: extremely slow working environment. A lot of virtual machines on the single server located in USA, VM was in the USA, connecting via VPN. Login to the project can take 5-10 minutes, project build can take 15 minutes. Also I want to work as .NET developer, but in my scope I can only change XML configuration files in the internal framework to build UI.

Software Engineer

July 2018 – November 2018

Exigen Services (since September 2018 – "emergn") Hybrid

Website development for Latvian State Revenue Service.

.NET Framework 4.8, .NET Core 2.0, ASP.NET MVC, ASP.NET Core, ASP.NET Web API, SignalR 2, Oracle, SQLite, Dapper ORM, jQuery, knockout.js, Visual Studio 2017, TFS.

Achievements: a business analyst and me changed the application for filing tax declarations of the Republic of Latvia in accordance with changes in the law, <https://www.vid.gov.lv/en/electronic-declaration-system-eds>

Reasons to leave: budget, staff and workload of the project was reduced. No new projects, I was moved to bench, after 1 month I was laid off.

Software Engineer

December 2017 – July 2018

Atea Global Services Hybrid

<https://ateaglobal.com/>

ASP.NET Web Forms project development for clients IT-departments automation.

.NET Framework 4.7.1, C#, ASP.NET Web Forms, MS SQL Server, ADO.NET, Visual Studio 2017, TFS, Azure.

Achievements: when I was assigned to the ASP.NET Web Forms project – page execution time was approx. 1 minute. After my optimization page generation time was reduced up to 5 seconds.

Reasons to leave: new Head of Department from India wanted to reorganize software development department, create new team in Sweden, I was laid off.

Software Engineer

October 2016 – November 2017

Dexik, Inc. (in Latvia – branch SIA "ITIS") Hybrid

Websites development for payday loans.

.NET Framework 4.6, C#, ASP.NET MVC, SignalR 2, MS SQL Server 2014/2016, DevExpress (ASP.NET MVC Extensions), Orchard, HTML5, CSS3, LESS, jQuery, Visual Studio 2015, Subversion.

Achievements:

- Integrated zenchat;
- Integrated SignalR functionality for real-time processes monitoring;
- Integrated clients bank history with CreditInfo webservice.

Reasons to leave: working in Latvian branch private company "SIA ITIS", poor working conditions (low-powered laptop, extremely loud server noise 2 meters away); payment model – 1st part (minimal state salary) and 2nd part «royalties for development».

Software Architect

October 2015 – October 2016

Assecor GmbH Hybrid

<https://www.assecor.de/>

Software development for IT-department of Max Delbrück Center for Molecular Medicine. A project to automate the connection of company services and infrastructure for employees and clients.

- Tasks planning and product backlog management;
- Database design;
- Software testing;
- Created project documentation.

.NET Framework 4.5, C#, ASP.NET MVC, WPF, SignalR 2, MS SQL Server 2014, Entity Framework, PostgreSQL, HTML5, CSS3, jQuery, AngularJS, Bootstrap, PHP, CodeIgniter, PowerShell, Active Directory, Visual Studio 2015, TFS.

Achievements: I created an intranet service from scratch to automate the work of the IT department. Creation of mail accounts, access to Wi-Fi, Active Directory resources, etc.

Reasons to leave: end of contract. Also initially I was hired as .NET developer and I wanted to work with .NET Framework, not PHP programmer.

Software Engineer

February 2015 – September 2015

RGM Distribution On-site

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

Development of Internet shops for the USA company DecorPlanet producing plumbing.

.NET Framework 4.5, ASP.NET, C#, VB.NET, MS SQL Server 2014, jQuery, Bootstrap, Visual Studio 2010, TFS.

Achievements: Implemented dashboard with orders in the Internet-shop.

Reasons to leave: due the funding issues RGM was closed, staff in the USA was reduced.

Soft-FX On-site<https://www.soft-fx.com/>**Forex Trading & Digital Asset Exchange software development.**

.NET Framework 4.0/4.5.1; C#; LINQ; ASP.NET MVC 4/5, WPF, jQuery, MS SQL Server 2008/2012, SQL Server Compact, WCF, MetaTrader 4; Visual Studio 2010/2012, Subversion, Entity Framework, MongoDB, Infragistics WPF, Nullsoft Scriptable Install System (NSIS); Azure; TeamCity, Jira, Confluence.

Achievements:

- Created a new ASP.NET MVC project to register new Forex accounts and management tools for accounts owners;
- Created a product installer using Nullsoft Scriptable Install System;
- Improved the internal console of the WPF application for managing services (start, stop, pause, import, export data).

Reasons to leave:

after January 2015 Switzerland suddenly change currency exchange rate and a lot of Forex companies failed with huge negative balances. Staff was reduced due to a serious funding problem. I have a citizenship of Latvia, other colleagues have citizenship Republic of Belarus. Without work in Latvia they cannot stay in Latvia. I was laid off.

Diatom Enterprises On-site<https://diatomenterprises.com/>**Outsource software development.**

.NET Framework 3.5/4.0; C#; LINQ; Windows Forms, ASP.NET MVC, jQuery, knockout.js, MS SQL Server 2008; Visual Studio 2008/2010/2012, TFS 2010, Subversion, Entity Framework, Telerik UI for WinForms, Unit Testing; Jira.

Projects summary:

- Software development for Sweden logistics company which offers transportation services in Europe using road and rail.
- Migrating 32-bit IBM OS/2 application to ASP.NET MVC for Latvijas Pasts.
- Company's internal projects.

Achievements:

- Improved UI in the Windows Forms application;
- In the Windows Form application implemented a new cargo transportation route planning module with drag&drop and files uploading;
- Improved the functionality of the internal time tracking project and added an algorithm for determining business days.

Reasons to leave:

budget, staff and workload of the project was reduced. No new projects, I was moved on the bench to work on internal projects.

Software Developer

November 2010 – November 2013

Accenture Latvia On-site

<https://www.accenture.com/lv-en>

Outsource software development.

.NET Framework 3.5, 4.0; C#; LINQ; ASP.NET (Web Forms, MVC 3); Windows Phone; Windows Mobile; MS SQL Server 2008; HTML5, CSS3; JavaScript, jQuery, jsViews & jsRender, knockout.js; WCF; SharePoint; Visual Studio 2005/2008/2010/2012; Subversion, TFS 2012.

Projects summary:

- Finnish Immigration Service project.
- brands management system for manufacturer of product ranges including personal care, household cleaning, laundry detergents, etc.;
- participation in project of company which develops blood diagnostics machines for donors centers;
- Windows Mobile application for french company of logistics service;
- web-based financial documents creation, analysis and management;
- Finnish Domain Name Registration system.

Software Architect

June 2007 – October 2010

Hospital Organizer AS Hybrid

Software suite of 6 medical applications, development for hospitals.

Windows Forms, ASP.NET 2.0 Web Forms, C#, MS SQL Server 2005/2008, Crystal Reports, DevExpress .NET Application Framework.

.NET developer

August 2006 – May 2007

Nomad IT On-site

Web-application development for the company "Joker" (gambling rooms and SPA), working hours planning system. Creation of reports in Business Intelligence for the Ministry of Agriculture of the Republic of Latvia.

ASP.NET 2.0 Web Forms, C#, MS SQL Server 2005, HTML, CSS, JavaScript, Microsoft Business Intelligence.

Reasons to leave: a former colleague offered to develop a large new .NET project, with a multiple increase in salary.

IT-department support team member

June 2005 – August 2006

Unifex On-site

New modules programming in Microsoft Navision; IT-equipment configuration and support; users consulting and support; Windows OS family installation and configuration, software maintenance.

Microsoft Navision 3.70.

Programmer

July 2003 – June 2005

Intechnic Europe On-site

<http://intechniceurope.org/>

Websites development using PHP, MySQL.

PHP, MySQL, HTML, CSS, JavaScript, UltraEdit.

Programmer

Junior era | 1996 – 2003

[Freelance]

Websites development using Classic ASP (Visual Basic Script), PHP, Turbo Pascal, C++, MySQL, MS SQL Server, HTML, CSS, JavaScript, Personal Web Server (Win 98), Apache.

Pet projects: Blackball, Amerikas Auto, Web Dynamics.

Technical Experience

| Area/technology | Years of experience | Last time used |
|------------------------------|---------------------|----------------|
| Frameworks | | |
| .NET Framework 1.0–4.8.1 | 23 | 2024 |
| .NET Core 2.0–8 | 6 | 2024 |
| .NET Technologies | | |
| ASP.NET Web Forms | 23 | 2024 |
| ASP.NET MVC | 14 | 2024 |
| ASP.NET Core | 6 | 2024 |
| ASP.NET Web API | 5 | 2023 |
| Windows Forms | 7 | 2022 |
| WPF | 3 | 2016 |
| Windows Mobile | 1 | 2013 |
| Programming Languages | | |
| C# | 23 | 2024 |
| VB.NET | 3 | 2023 |
| PHP | 10 | 2021 |
| JavaScript | 22 | 2024 |
| Java | 2 | 2003 |
| Databases | | |
| MS SQL Server | 22 | 2024 |
| MySQL | 6 | 2022 |
| PostgreSQL | 3 | 2023 |
| MariaDB | 1 | 2021 |
| SQLite | 4 | 2023 |
| MongoDB | 1 | 2016 |
| Oracle | 1 | 2019 |
| ADO.NET | 17 | 2024 |
| Entity Framework | 11 | 2024 |
| Entity Framework Core | 4 | 2024 |
| Dapper | 5 | 2024 |

Frontend

| | | |
|--------------------------------|----|------|
| HTML | 24 | 2024 |
| CSS | 24 | 2024 |
| Bootstrap | 7 | 2023 |
| AJAX | 8 | 2024 |
| jQuery | 17 | 2024 |
| jsViews, jsRender, knockout.js | 1 | 2013 |
| TypeScript | 4 | 2023 |
| Angular | 3 | 2023 |
| React | 2 | 2024 |
| Vue.js | 1 | 2022 |
| npm | 4 | 2024 |
| Blazor | 1 | 2023 |

Other

| | | |
|---------------|----|------|
| REST API | 7 | 2024 |
| Web API | 6 | 2024 |
| Swagger/NSwag | 5 | 2023 |
| WCF | 3 | 2021 |
| Azure | 3 | 2022 |
| SharePoint | 2 | 2013 |
| XML | 10 | 2022 |
| JSON | 7 | 2024 |
| JWT | 3 | 2022 |
| OAuth | 2 | 2018 |

Components/Libraries

| | | |
|---------------|---|------|
| SignalR | 3 | 2023 |
| JSON.NET | 7 | 2024 |
| log4net, NLog | 6 | 2023 |
| Quartz.NET | 2 | 2021 |

Tools/Libraries

| | | |
|--------------|---|------|
| ReSharper | 7 | 2024 |
| DevExpress | 3 | 2017 |
| Infragistics | 2 | 2020 |
| Telerik | 2 | 2019 |
| Kendo UI | 1 | 2019 |
| Prism | 1 | 2019 |

Processes/Practices

| | | |
|-------------------------------------|----|------|
| Scrum | 13 | 2023 |
| Agile | 13 | 2023 |
| Waterfall | 21 | 2023 |
| Kanban | 1 | 2018 |
| TDD | 3 | 2022 |
| Unit Testing | 4 | 2024 |
| Code Quality Practices: Refactoring | 6 | 2024 |
| CI/CD workflow | 8 | 2024 |
| Microservices | 1 | 2022 |

IDE

| | | |
|--------------------------|----|------|
| Visual Studio | 23 | 2024 |
| MS SQL Management Studio | 10 | 2024 |
| Visual Studio Code | 5 | 2024 |
| UltraEdit | 5 | 2022 |
| Rider | 1 | 2020 |
| PhpStorm | 1 | 2021 |

Version Control

| | | |
|-----|---|------|
| SVN | 2 | 2003 |
| CVS | 1 | 2004 |
| TFS | 7 | 2021 |
| Git | 6 | 2024 |

Other

| | | |
|-----------------|----|------|
| CodeIgniter | 1 | 2016 |
| Laravel | 1 | 2019 |
| Doctrine ORM | 1 | 2016 |
| ActiveDirectory | 2 | 2016 |
| PowerShell | 2 | 2024 |
| Jira | 5 | 2023 |
| Confluence | 4 | 2023 |
| Redmine | 1 | 2021 |
| TeamCity | 2 | 2022 |
| Docker | 2 | 2023 |
| Windows Server | 20 | 2024 |
| IIS | 22 | 2024 |

Education

- **1998–2008:** Transport and Telecommunication Institute (study program "Computer Science and Information Technologies").
- **1986–1998:** Livani Secondary School No.2.

Languages

- **Russian** – native.
- **English** – good spoken level, good writing level (Upper-Intermediate, B2).
- **Latvian** – good spoken level, good writing level.

Interests

I'm never bored, I always find something to do. Cinema, music, cars, kart racing, paintball, billiard, bowling, ping-pong, cats. In spare time I like to learn something new and keep my knowledge up to date with modern technologies. Just for fun and trainings/experiments, like a hobby, engaged in the development of my pet projects: I have my own server and a BMW 7er, this in a technical context makes me happy.

Pet Projects

Geolocation Assistant

2022 – 2024

<https://geodata.blackball.lv/>

Website for determining geolocation by IP.

.NET 8, C#, ASP.NET Core, Web API, Git.

MailDaemon

2021 – 2024

<https://github.com/sergdrozdov/mail-daemon>

<https://sd.blackball.lv/job/tests/MailDaemon/readme.html>

Console application. Small utility to send batch emails. Fully customizable JSON configuration.

.NET 8, C#, JSON, Git.

Transport Certification Center

2008 – 2024

<https://autosc.site/>

Transport registration and certification services in Latvia, Customer Relationship Management.

.NET Framework 4.8.1, C#, ASP.NET, LINQ, MS SQL Server, ADO.NET, ORM (Dapper), JavaScript, jQuery, Git.

Amerikas Auto

2000 – 2024

<https://amerikasauto.com/>

Car service and spare parts for all USA and European car models, Customer Relationship Management.

.NET Framework 4.8.1, C#, ASP.NET, LINQ, MS SQL Server, ADO.NET, ORM (Entity Framework), JavaScript, jQuery, Git.

Web Dynamics

2000 – 2024

<https://sd.blackball.lv/en>

Software development blog. Articles, books, videos, content management.

.NET Framework 4.8.1, C#, ASP.NET, LINQ, MS SQL Server, ADO.NET, ORM (Dapper), JavaScript, jQuery, Web API, Git.

Blackball

1999 – 2024

<https://blackball.lv/>

Entertainment portal.

.NET Framework 4.8.1, C#, ASP.NET, LINQ, MS SQL Server, ADO.NET, ORM (Dapper), JavaScript, jQuery, Web API, Git.

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