

Sergey Drozdov

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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.

Always following modern development methodologies. Can act both as a communicative strong single developer and a 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 me. Good collaborative skills.

- Codebase: <https://codebase.blackball.lv/>
- Documents: <https://sd.blackball.lv/job/intro>
soft skills, projects description

.NET Framework 23y .NET Core 6y ASP.NET MVC 14y

ASP.NET Core 6y C# 23y PHP 10y SQL Server 22y MySQL 6y

PostgreSQL 3y JavaScript 22y React 3y RESTful 7y Azure 4y

Current status looking for a job as Full-Stack .NET Developer

Skills

- Communication
- Adaptability
- Analytics
- Problem-Solving
- Collaboration
- Time Management
- Continuous Improvement
- Teamwork

Hard Skills

- Software Development
- .NET Framework
- .NET Core
- C#
- ASP.NET
- Web API
- Database Management
- ORM
- Software Testing
- Agile
- Source Control
- OOP
- Design Patterns
- UI/UX Design
- CI/CD
- Cloud Computing
- Data Processing
- Technical Support
- Full-Stack Development
- Software Development Life Cycle

Work Experience

Full-Stack .NET Developer / Contractor

October 2020 – 2024

Contract projects, on-demand software development solutions.

- Migrated web projects from .NET Core 2.1 up to .NET 7; .NET Framework projects up to .NET Core; PHP project up to .NET Core;
- SQL Server administration; database and projects architecture development;
- System administration, technical support; communicating with customers to perform feedback and provide technical support;
- Customer Relationship Management development;
- Reverse Engineering;
- CI/CD workflow.

When I don't have a job or a commercial project, I study new things and develop my pet projects.

Full-Stack .NET Developer

2000 – 2024

Amerikas Auto

<https://amerikasauto.com/>

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, Visual Studio 2022, MS SQL Server 2019, Dapper, Git.

- Maintenance and technical support of the project that I developed from scratch **since 2000**.
- I developed architecture and Content Management System.
- I developed Customer Relationship Management system.
- Technical support.
- Migrated project to the new domain and hosting. For another project Transport Certification Center it was necessary to do the same.

Trialto Latvia

Software that streamlines every part of warehouse management – from receiving and storage to picking, packing, shipping, inventory tracking, and all the steps in between.

.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

- I restored and updated projects from .NET Framework 4.5.2 (project reached «Out of Support») to 4.8.1.
- Implemented localization of the internal project into several languages.
- I analyzed the business requirements and implemented them in a web application.
- Implemented the SQL script to synchronize data from Axapta to SQL Server on a schedule.
- Created SQL Server jobs to manipulate data between SQL Servers.
- Implemented filters and sorting in web application data tables.
- Performed Made4net SCExpert reverse engineering.
- 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 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 migrate the code to a new technology level.

EPAM Systems

Planning system and risks assessment for oil trading companies. Created new functionality and extend existing modules.

- Updated backend layer created by previous team;
- Created SQL scripts;
- Updated Web API.

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

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

Uniso + Contextprime

- Implemented service to extract medical entities, relations, and contextual attributes from the state medical registry.
- Performed reverse engineering of compiled external DLLs.
- Designed database schema.
- Created XML processing system to validate and import data into database.
- Implemented ASP.NET Core Web API to use medical information.

.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.

.NET developer

Akvelon

Windows Narrator enhancement, member of the Microsoft team. Worked with Narrator, fixing low-level bugs in .NET Framework 4.8.

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

Full-Stack .NET Developer

[Private customer]

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, JavaScript, jQuery, npm, React, TypeScript, Visual Studio 2019, Git.

Achievements:

- Migrated existing project from .NET Core 2.0 up to .NET 5.
- Created administrative tools area.
- Reimplemented wrong architecture approach made by previous developers.
- Created route planning module with Google Maps.

Full-Stack .NET developer

September 2020 – January 2021

Cifromatica

Document storage and processing system.

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

- Developed a service for identifying originals and duplicates of documents among tens of thousands of records in the database.
- The document storage module has been improved (search, documents duplicates detection, deletion).

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

Full-Stack .NET Developer

December 2019 – August 2020

Jean Edwards Consulting

Insurance software development, risks management. The customer provided a full-cycle custom software development and consulting services to the finance industry and public sector.

The project to track, manage and overview of key performance indicators of insurance agents. The project provides an analysis of disasters risks management.

.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.

- Modified existing SQL scripts for new functionality.
- Modified business logic and user interface.
- Described to the QA team how to test.

Reasons to leave: Project was closed because of COVID-19.

Full-Stack .NET Developer

December 2018 – August 2019

OnTarget Labs, Inc.

Insurance software development, enterprise registration and licensing solutions. Migrating ASP.NET Web Forms project 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.

- Modified XML configuration files to change the user interface.
- Modified server-side code if necessary.

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.

Full-Stack .NET Developer

July 2018 – November 2018

Exigen Services

(since September 2018 – "emergn")

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.

- Made changes at the backend level.
- Changed UI and pages layout, deleted obsolete UI elements and added new according to business requirements.

Achievements: a business analyst and I changed the application for filing tax declarations of the Republic of Latvia in accordance with changes in the law.

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.

Full-Stack .NET Developer

December 2017 – July 2018

Atea Global Services

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.

- Added new functionality in the website administrative tools.
- Modified website user interface.
- Modified database schema (using Entity Framework migrations).
- Made changes at the Azure level.
- Created an application to generate reports for clients on a schedule.

Achievements when I was assigned to the ASP.NET Web Forms project – page execution time was approximately 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.

Full-Stack .NET Developer

October 2016 – November 2017

Dexik, Inc.

(in Latvia – branch SIA "ITIS")

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

- Created new administrative area for managing customer accounts.
- Integrated Zenchat.
- Implemented Affiliate Marketing module for interaction with partners.
- Integrated SignalR functionality for real-time processes monitoring.
- Integrated clients bank history with CreditInfo web service.

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

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.

- Created the information system architecture.
- Planned tasks and managed product backlog.
- designed database.
- Created PowerShell scripts for performing operations.
- Implemented all the source code from scratch.
- 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 portal from scratch with services 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.

Full-Stack .NET Developer

February 2015 – September 2015

RGM Distribution

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.
- Improved functionality for shopping cart processing and order creation.

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

Soft-FX

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).
- I set up the process of creating a product installation package using Nullsoft Scriptable Install System and TeamCity.

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

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.

Accenture Latvia

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 and 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

Software suite of 6 medical applications, development for hospitals. Projects for managing medical data and patient history; surgery scheduling; sterilization of instruments; prosthetics.

- Developed the database structure.
- Created ASP.NET applications, Windows Forms applications.
- Developed a barcode system.

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

- Web-application development for the company "Joker" (gambling rooms and SPA), working hours planning system.
- Created reports suite 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.

Achievements

- Created from scratch working hours planning system for the SPA and coffeeshops network;
- Created reports package for Ministry of Agriculture of the Republic of Latvia using 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

- 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

Websites development using PHP, MySQL.

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

Programmer

Junior era | 1996 – 2003

[Freelance]

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

Pet projects: Blackball, Web Dynamics, Amerikas Auto, Transport Certification Center, Geolocation Assistant.

Technical Skills

Area/technology	Years of experience	Last time used
.NET Technologies		
.NET Framework 1.0–4.8.1	23	2024
.NET Core 2.0–8	6	2024
ASP.NET Web Forms	23	2024
ASP.NET MVC	14	2024
ASP.NET Core	6	2024
ASP.NET Web API	5	2023
Blazor	1	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
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	3	2024
Vue.js	1	2022
npm	5	2024
Blazor	1	2023

API / Security / Data Processing

REST API	7	2024
Web API	6	2024
Swagger/NSwag	5	2023
WCF	3	2021
Azure	4	2024
SharePoint	2	2013
XML	11	2024
JSON	7	2024
JWT	4	2024
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	2	2023
Prism	1	2019

Processes/Practices

Scrum	13	2023
Agile	13	2023
Waterfall	21	2023
Kanban	6	2024
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

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

Education

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

Languages

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

Interests

I'm never boring, 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.

Commercial Projects

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.

Achievements

- I created this project from scratch.
- Created the project architecture.
- Implemented my own Content Management System.

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.

Achievements

- I created this project from scratch.
- Created the project architecture.
- Implemented my own Content Management System.
- Implemented Customer Relationship Management.

Pet Projects

Codebase

2024

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

A project to share the source code of my tests and experiments, portfolio of the projects.

.NET Framework 4.8, ASP.NET MVC 5, C#, JavaScript, JSON, SQL Server, Dapper, Git.

Achievements

- I created this project from scratch.
- Implemented codebase navigation.
- Implemented the transformation of Markdown files into HTML representation.

Geolocation Assistant

2022 – 2024

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

Website for determining geolocation by IP or geotagged photo.

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

Achievements

- Created geolocation determination by IP or domain name.
- Created geolocation determination by geotagged photo.

MailDaemon

2021 – 2024

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

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

.NET 8, C#, JSON, Git.

Achievements

- I created customizable profiles configuration.

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.

Achievements

- I created this project from scratch.
- Created architecture.
- Implemented a lot of useful UI/UX solutions.
- Implemented convenient content navigation.

Blackball

1999 – 2024

<https://blackball.lv/>

My entertainment portal created from scratch.

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

Achievements

- I created this project from scratch.
- Created architecture.
- Created database.
- Created my own Content Management System.
- Implemented a lot of useful UI/UX solutions.
- Implemented convenient content navigation.
- Implemented content publishing on schedule.
- Implemented Web API for importing/exporting content.

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