**Alexander Velichkin**

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A Sofware engineer with 10+ years of experience in designing web applications, maintaining performance, analyzing requirements and functionality.

I am an experienced in the back- (.NET, .NET Core) and front-end (Angular, jQuery) development, database management systems (MS SQL Server, PostgreSQL), and DevOps practices. I have an in-depth understanding of various design and architectural patterns/styles, APIs, popular web application frameworks and libraries.

With a strong knowledge of fundamental design principles for building a scalable application, I am an expert at delivering reliable and innovative strategies and solutions that enhance the performance of existing applications and drive business growth.

In addition, I can boast of solid leadership and mentorship experience. I am a great communicator adept at collaborating with other stakeholders to ensure the architecture is aligned with business requirements.

**Technical Proficiencies**

C#, ASP.NET, JavaScript, CSS, .NET Core, Azure DevOps, RabbitMQ, MS SQL Server, PostgreSQL, GIT, TFS, WPF, Xamarin.Forms

**Professional Experience**

**TeamLead, Senior .Net Software Engineer** (January 2022 – Present) Cendyn

*Technical Scope: C#, .Net Core, Dapper, MS SQL Server, NUnit, Moq, Vue.js, Git, GitFlow*

***Key Achievements:***

* Leading back-end team of 3-4 developers. Communicating with front-end team about architecture and data flow.
* Participation in the application of SCRUM practices in the team. Communicating with PO, PM, SM for business requirements clarification, sprint planning, estimating of tasks and user stories.
* Analyze and investigation of existing Legacy Web app (ASP.Net), Legacy desktop app (C++), Python scripts.
* Re-implementing business logics in new stack of technologies: .Net Core + Dapper + Vue.js.
* Communicating with the DevOps team to build CI/CD pipelines in Azure DevOps for front-end and back-end applications.

**Senior .Net Software Engineer** (December 2020 – January 2022) Trademarkia

*Technical Scope: C#, ASP.NET Web Forms, .Net Core Web API, DevExpress, Entity Framework 6, Dapper, MS SQL Server, jQuery, Git, Azure DevOps*

***Key Achievements:***

* Set up development and testing environments for existing web application and configured CI/CD pipelines using Azure DevOps.
* Integrated Facebook, Google & Amazon Login APIs to the web application.
* Integrated Stripe payment API and Paypal Payment API into web application.
* Participated in development of .Net Core -based API for Xamarin application.
* Improved MS SQL Server database performance.
* Implemented features with high business value. Fixed bugs in web application, background services, database scripts.

**Senior C# .Net Developer** (July 2020 – November 2020) ABL Vue (via Toptal)

*Technical Scope: C#, .Net Core, Entity Framework Core, MS SQL Server, NUnit, Moq, Angular, Chart.js, Git, Azure DevOps*

***Key Achievements:***

* Set up development and testing environments for existing .Net Core + Angular + MS SQL Server application and configured CI/CD pipelines using Azure DevOps.
* Implemented PDF and XLS reporting modules with the ability to send reports by e-mail.
* Developed unit-tests for new and existing modules using NUnit.
* Completely re-designed Angular application using SCSS.
* Implemented data visualisation using Chart.js.
* Fixed bugs in modules that use Xero API for data synchronization.

**Senior C# .Net Developer** (April 2018 – June 2022) Debate.org (via Toptal)

*Technical Scope: C#, ASP.Net Web Forms, DevExpress, Entity Framework 6, MS SQL Server, Classic ASP, jQuery, RabbitMQ, Git, Azure DevOps*

***Key Achievements:***

* Eliminated spam by creating Regex-based, back-end service that communicates with web application via RabbitMQ and automatically filters user content.
* Integrated 3rd-party services Google ReCaptcha, Analytics, Adsense and Taboola Ads, Pingdom, and SendGrid with web application resulting in increased revenue, performance, and accessibility.
* Increased web application load speeds 40% that is running Classic ASP, ASP.NET WebForms, DevExpress, jQuery, and MS SQL.
* Developed tools for admins to create web pages using DevExpress HTML editor without involving programmer.
* Expanded and scaled development capabilities by introducing new CI/CD process using Azure DevOps and set up new development and testing environments for existing web applications using AWS.
* Minimized downtime maintaining web applications and background services on AWS EC2 (Windows Servers) and RDS (MS SQL Server) machines.

**Senior WPF Developer** (August 2017 – October 2017) Donation Kiosk (via Toptal)

*Technical Scope: C#, WPF, XAML, JSON, GIT*

***Key Achievements:***

* Produced WPF application for touchscreens customizing controls such as Buttons, Labels and ListViews.
* Saved countless hours adding auto-updating functionalities to desktop WPF application using PHP back-end via JSON.

**Senior C# .Net and Xamarin.Forms Developer** (May 2016 – May 2018) Atos IT Solutions & Services, LLC

*Technical Scope: C#, ASP.Net Web Forms, ADO.NET, MS SQL Server 2012, DevExpress, ComponentPro, EVO PDF Toolkit, Xamarin.Forms, Prism, MVVM, GIT, TFS*

**Key Achievements:**

* Developed web application using ASP.NET Web Forms and DevExpress components automating workflows for global real estate company. App tracked CapEx and OpEx movement and generated PDF and XLS reports.
* Streamlined operations building modules for Excel reporting using ComponentPro, developing Windows service to perform background long-processing operations, and creating Xamarin.Forms applying UI components.
* Optimized data sharing designing multi-platform library used by both Xamarin.Forms and ASP.NET MVC projects to synchronize, serialize, encrypt, and validate data sent between Android smartphones and server.
* Developed auto-synchronizing library using MS SQL Server and local MySQL databases enablingend users to work offline and synchronize data with server-side database at later intervals.
* Improved XLS and PDF reporting performance by reducing their generation time up to 50%
* Designed and created a VBA MS Access application that is used by several users simultaneously with reports and Authentication.

**Senior C# .Net Developer** (February 2016 – March 2017) MotionGlass (Startup Venture)

*Technical Scope: C#, .Net, ASP.Net MVC, WPF, WCF, Kinect 2, Intel RealSense, SQL Server, Entity Framework 6, GIT*

**Key Achievements:**

* Demonstrated strong programming skills building desktop WPF application using Intel RealSense camera and web-based admin panel using ASP.NET MVC and MS SQL Server.
* Created WCF Service for interaction between WPF application and web-based admin panel for remote access.

**Load Testing Engineer** (February 2016 – May 2016) Home Credit & Finance Bank, LLC

*Technical Scope: JMeter, Python 3, Oracle, Git*

**Key Achievements:**

* Minimized performance lacks creating test plans for load-testing using JMeter and scripts with Python 3 for log file analysis.
* Prepared sample data for test plans using the Oracle database.

**ActionScript 3 and C# .Net Developer** (August 2012 – February 2016) BI-Leasing, LLC

*Technical Scope: C#, .Net, WPF, Web API, LINQ, AngularJS, FastReport .Net, Entity Framework 6, MS SQL Server, PostgreSQL, ActionScript 3, GIT, SVN, Visual Studio, Kinect 2*

**Key Achievements:**

* Streamlined operations, architecting internal application to automate processes with role-based access using PostgreSQL, ASP.Net Web API, AngularJS, and FastReport .Net.
* Developed an advertisement application using Kinect 2, WPF, and ASP.NET MVC boosting visibility.
* Built an internet kiosk application with WPF permitting on-line banking for existing customers.
* Created a cartographic application using the OpenStreetMap API and ActionScript 3.0 for Windows, Android, and iOS platforms.
* Accelerated knowledge sharing developing a library of ActionScript 3 UI components were used by multiple teams across different projects.

**Education and Training**

**Master of Science (MS) – Information Systems & Technologies**

Voronezh State Technical University

**Bachelor of Science (BS) – Information Systems & Technologies**

Voronezh State Technical University

***Professional Development / Technical Certifications***

Microsoft Certified Solutions Associate (MCSA), *Microsoft, 2020*

Becoming an ASP.NET Core Developer, *LinkedIn Learning, 2020*

***Languages***

Russian | English