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'm interested in growing as a distributed systems specialist.

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, NUnit, xUnit, Moq, 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 enabling end 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