

Dmitry Mitichenko

Full Stack Software Engineer (.NET)

A proficient and involved software engineer with excellent design and development skills specializing in the .NET stack. Experienced in all aspects of the software development lifecycle. Solid understanding of OOP, design patterns and software architecture.

Ten years of making this world better. 17+ successful projects.

Experience

2015 - Backend Developer

2018

AccessSoftek Inc., banking software

Morpheus (formerly Orpheus), online banking services

The main thing that I learned working on the project is how to expand and improve the functionality of a vast and highly configurable application without breaking anything. But the most exciting experience for me was related to the understanding of how the US banking system works. Also touched the internals of Episys PowerOn programming. Last few months I worked in a team that handled the most complicated problems that appear on our clients' production environments. I have successfully solved tons of issues and made our clients happier.

Mobile Finance Manager, mobile banking platform

I had worked as a member of the server application team. The primary activity has been associated with the extension of application functionality. I had gained the vast experience in understanding and applying architectural solutions for the highly loaded applications, got some skills in supporting several frameworks as a hosting platform for the server application (both WCF and NancyFx). Developed web application for analyzing and reading the encrypted log files with the support of streamed decoding and possibility to select the required log range to download.

Technologies used

WCF, ASP.NET MVC/WebAPI, KendoUI, SPA, NancyFx, KnockoutJs, Quartz.net

2015 - Fullstack developer and Tech leader

2018

AVA Group, civil engineering

AVA Platform, a single-point data management tool and integration point for external systems

I had created a product that partially implements the functionality of large CRM systems, that is the only and the primary point of data management for external sites, and that automates the employee's workflows.

At the base - stateless RESTful API built with NancyFx platform. The app contains a meta-model that made it possible to conveniently implement the API and the corresponding value management UI with the regulation of access to each type of content and each field of the content type, and with the possibility of values versioning. Value management UI itself is built on KnockoutJs components - universal widgets per each value type, including links between collections, attachment downloading, rich-formated text with Markdown layout language support, and other standard data types. The application also contains a set of background tasks for image resizing/optimization, emails sending

Contacts

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Portfolio and more details at

<https://f-elements.pro>

Skills

Backend development with .NET



Frontend development



Desktop apps development



Software architecture design



Team leadership



Languages

Russian



Native

English



Intermediate

purposes, etc.

Technologies used

.NET/C#, Mono, NancyFx, Quartz.net, SPA, KnockoutJs, Bootstrap, AmplifyJs, EF, MySql (mariaDb), nUnit, Gitlab CI

2013 -
2014

Fullstack Developer

Russian Automobile Fellowship (RAF), roadside technical assistance

SharePoint portal solution

I had reworked the standard SharePoint site design to comply company's corporate guidelines, created numerous of informational web-parts (news, events, ads rotation, etc.). Moreover, I've developed the all-new "organization structure" module with convenient tree-like visualization, personal contacts widgets, flexible search tool and some useful things for power users like export to Excel, JSON data provider and so on.

Requests management solution for SharePoint 2010

There was a problem with too complicated and over-functional user interface of the CRM system, that has been used to manage customer requests. As a solution, I had implemented the SP extension with more user-friendly UI which allowed to control client's applications more quickly and without the need to switch to CRM system window.

Technologies used

SharePoint 2010/2013, ASP.NET MVC, EntityFramework, JS, jQuery, Knockout, Bootstrap, T-SQL

2011 -
2013

Fullstack Developer

InterSoft Group, systems integration

Financial reports collection and analysis system for the State Finance Department

There was a need for the solution that supposed to be integrated into the existing SharePoint portal, and that allowed to collect and analyze economic data provided by budget organizations. The major and the most complicated requirement was to provide the ability to fill out reports without access to the Internet, without being tied to a specific platform and without demands on essential prerequisites to the installed software on client workstations.

I had implemented an autonomous cross-platform module, that is designed to transfer to organizations for filling out reports. It is intended to input the tabular data presented as a complex structure with conditional branches of the displayed table blocks. Moreover, as a solution to solve the data import/export process, I had created several workflows that contained all the required steps to approve, validate and handle financial reports.

Technologies used

Silverlight, Telerik Controls, SharePoint, WF, JS (jQuery, jQuery UI), T-SQL

2012

Frontend Developer

RosIntegracia, LLC, systems integration

Docshell.ru service

Our team was faced with the task of creating a service that helps to keep up-to-date the package of documents per each of the "supported" laws.

To implement all the ideas, we created our document template engine with

support of conditional branching in the template structure. The second difficult task was to implement the values editor, taking into account the necessity to support all the morphological features of the Russian language. Also, we added some useful and required features like conditional values validation, versioning, and smart notification subsystem to inform customers to update data in case of templates or legislation modification.

I was a part of the team before the first official release as the only front-end developer. Entirely implemented both the customer's interface and the external promo-site.

Technologies used

WCF, ASP.NET MVC, JS, jQuery, Bootstrap

2009 - **Frontend Developer**

2011 *InjGeo, CJSC SRIDS, engineering design institute*

A design documentation management and resources planning system

My main contribution to the project was the design and development of the client part based on Silverlight components, including both the user and the administrative interfaces. The core feature of the UI was the simplicity. At every moment in time, the application only provided to the user actions and details that were relevant to his context and assigned roles, thereby simplifying (sometimes) interaction cases literally to the single button UI. Furthermore, to prevent the remaining misunderstandings, I had implemented smart context-relative help system.

Helpdesk solution

My role in the project was to develop the frontend part of this system. To make it possible I chose the Silverlight platform as a flexible and perspective tool (at that time) to build rich UIs.

The application was made of the universal reused widgets that are dynamically combined into pages. The administrator was able to configure pages according to the functionality required for each role in the system. Also, I've implemented the possibility for any user to individually adjust the layout of his widgets and change the background image.

Also, I had created a widget to quickly post support tickets directly from the user's desktop without opening the main app. It shortened the ticket creation process by 30-40 sec.

Technologies used

Silverlight, WPF, SketchFlow, WCF, T-SQL, WinForms, ASP.NET

Education

2004 - **Kuban State University at Krasnodar, Russia**

2010 MSc Computer Science and Applied Mathematics