



Dmitry Ivanov

SUMMARY

Senior developer with 5+ years of experience in application development, database design, and technical architecture. I have various experience in health care, travel and educational industries. My hobbies are science and MMA.

TECHNOLOGIES

.NET, ASP.NET MVC, Angular JS, Xamarin, Microsoft Azure, ASP.NET, Entity Framework, MS SQL SERVER, MySql, MongoDB, Kendo UI, PHP, Knockout JS, ObjectiveC, AWS, WebGL

EXPERIENCE

Senior Software Engineer, Ambaha IT-Solutions; Saint-Petersburg, Russia

Design and development of complex responsive web applications, high-load mobile applications using a variety of technologies. Architecture and administration of database updates and designs. Additionally, developed mobile applications on Xamarin. Did research and used new technologies such as WebGL.

Software Engineer, Data Art; Saint-Petersburg, Russia

Development and architecture of web applications which were designed to maintain 1,000,000+ active users. Also researched new technologies.

Software Engineer, Cleverpumpkin; Saint-Petersburg, Russia

Developed well-known mobile applications for various informational web systems. Cleverpumpkin is one of the top mobile studios in Russia.

EDUCATION

University of Massachusetts - Amherst - Computer Science/Biology

Saint-Petersburg State University - B.S. in Computer Science

THE MOST INTERESTING PROJECTS

Cloud system for object recognition on images

Architecture: Microsoft Azure application based on multiple worker and web roles to mark images and to train classifier to identify objects. We needed to implement effective evolutionary search procedure. Also system used Artificial Intelligence, Rosenblatt's perceptron and adaptive boosting.

My Role: Senior Developer, Team Lead

Technologies: Microsoft Azure, MS SQL Server, C# application, AI, Service Bus

LMS (Learning Management System)

The system for managing and playing SCORM packages. Agile methodology was used.
Team- size: 4-12 developers

Technologies: ASP.NET MVC, MS SQL SERVER, AJAX, jQuery, Entity Framework

My Role: Senior Developer

Mobile app for the biggest Russian sports portal

The mobile app for the biggest Russian sports portal. The project was huge and the aim was to get familiar with the code very fast and redesign the product. The first updated version was released within 3 weeks.

Technologies: ObjectiveC, iOS

My Role: Senior Developer

Web platform for architectures

The challenge was to provide high performance and smooth user experience. WebGL was new at that time and there was little documentation available. The system allowed architectures to apply different materials in real-time and rotate the 3d model of a house. Also we used ASP.NET MVC on the server side and AngularJS.

Technologies: ASP.NET MVC, AngularJS, MS SQL Server, WebGL, Three.js

My Role: Senior Developer

Web application - Form Editor

A modern web app to construct forms. The outcome was supposed to be "modern", meaning that we had to work with the most trending frameworks. We chose ASP.NET MVC, Angular JS and Angular Material library for UI. There was a lot of drag and drop functionality. End user was able to take an element (text box question, radio button question) and drag it to the central area.

Technologies: ASP.NET MVC, ASP.NET, AngularJS, MS SQL Server

My Role: Senior Developer

Web platform for US churches

Our objective was to upgrade existing ASP.NET web application and suggest new ideas for the UI and architecture. We chose Angular JS for the client side and ASP.NET MVC for the server side to make application fast and responsive. Platform was supposed to have more than 27 different tools.

Technologies: ASP.NET MVC, ASP.NET, AngularJS, MS SQL Server

My Role: Senior Developer

Mobile app for transport company

The app is used to place cargo transportation orders for the clients. We needed to implement 4 types of the app: Android Phone, Android Tablet, iPhone, iPad. The code templates were used to generate the code to access API.

Technologies: iOS, Android, Xamarin, SQLite

My Role: Senior Developer

RESEARCH EXPERIENCE

Optimization of ECO-features

October
2015

Paper, analyzing a certain image recognition technique (object recognition with GA). Published at:

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7342226&searchWithin=%22Last%20Name%22:Lepikhin&newsearch=true>

On the Gabor-space Geodesic Active Contours Algorithm

October
2015

Implementation hints for differential geometry approach to the problem of texture segmentation, using Gabor wavelets. Published at:

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7342227&newsearch=true&queryText=On%20the%20Gabor-space%20Geodesic%20Active%20Contours%20Algorithm>

Internship in UT Southwestern Medical Center (research on Huntington's chorea)

Summer
2009, 2010,
2011

Minor lab work.