



## Ivan Novikov

Birth date: May 21, 1987

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## Summary

I am developer, researcher and speaker with more than decade of experience in C++, C# and front-end development (with some project/process management). Area of my professional interests covers engineering and science problems. I have a solid mathematical and algorithmic skills. My experience focused on server side solutions, friendly user interface, distributed systems, web development. I know best practices of agile project management and use it effectively in real life. Take a look at my github profile for my personal code style and contributions <https://github.com/jonny-novikov>

## Experience

**DEVELOPER ADVOCATE, FULL-STACK ENGINEER,  
AMIFORUS LLC – JUN 2015 - PRESENT,  
FULL-TIME JOB  
WWW.AMIFORUS.COM**

I wrote a good explanation of this position on Medium <http://j.mp/why-am-i-advocate> However, my primary role is a technical leader of the team responsible for the product. I am responsible for the development and evolving of several multimedia applications with rich web user interface made with VueJS and vanilla es6, typescript and well-coded real-time dashboards made with React.

**EVENT MANAGER AND SPEAKER, TVER.IO COMMUNITY - OCT 2015 - PRESENT,  
WWW.TVER.IO**

I am active community contributor and partial sponsor of the regular meetups. My latest presentations can be found at <https://github.com/jonny-novikov/speaking>

**SENIOR SOFTWARE ENGINEER, OZON TRAVEL – MAY 2015 - JUN 2016  
PRIMARY WORK  
WWW.OZON.TRAVEL**

Achievements:

Several integrations with booking service providers was fully developed and tested by myself. I've introduced new integration testing practices and UI automated testing with webdriver and scenarios written with C# code specifications. Also I implemented subset of .tt templates (code generation) for better WCF-proxy generation and exception handling. Also I implemented several custom monitoring dashboards with Javascript.

Technologies: .NET stack, C# 6, WebApi, Git, TFS

**FOUNDER, INNODEVELOP LTD – JUN 2012 - MAY 2015**

I owned several projects for insurance industry.

Since 2014 I had a contract job with Complex Systems and we've done a very interesting project for Interfax and I and my great team developed several Kinected Applications (see corresponding position for details) with AngularJS.

**DEVELOPMENT TEAM LEAD, COMPLEX SYSTEMS – JUL 2013 - JAN 2015, CONTRACTOR  
WWW.COMPLEXSYS.RU**

I had a contract job and we've done a great project for Interfax <http://www.interfax.ru/>

It was hardware and software system used to be installed in the halls of companies and conference rooms which was build as Microsoft Kinected Web Server (separated server on top of IIS written in C#) and Client Application (front-end AngularJS application in web browser). System used to manipulate rich content (for examples, news and analytics) with Kinect Sensor (or mouse if it is unavailable). Hardware system had a modest requierment and usually system was consisted of mini computer (aka Apple MacMini) connected to the Internet and a TV-set.

Administration server had ability to manipulate all installed systems remotely in a real-time manner.

Take a look at the real alive project <http://jonnynovikov.com/content/interfax.mp4>

Technologies: AngularJS, Kinect SDK, Kinect JS library 1.8, Websockets

Server was implemented using ASP.NET MVC 5, PostgreSQL, NHibernate, SignalR

**LEAD DEVELOPER, CPS SOFTWARE – DEC 2008 - JUN 2012, PRIMARY WORK**

My projects was tactical training simulators for Russian Navy.

I had developed modules for several training simulators which are used in deployed systems with the technology of virtual reality.

- Technical leading of the development team
- Designing and improving usability of user interface
- Developing tactical simulators, some algorithms

Stack: C/C++, Win32/ATL/IML, Qt, Lua for automated scenarios

Using Jira as issue tracker system.

**SOFTWARE DEVELOPER, CPS SOFTWARE – MAY 2005 - DEC 2008, PRIMARY WORK**

I developed libraries in C/C++: rich user interface and graphic controls to display dynamic data (graphs, tables, charts, etc.)

## Education

Russia, Tver State University – Computer Science, Degree, 2009

## Skills

Solid experience in desktop and web development with C#, .NET (5+ years total)

- WinForms, WPF, ADO .NET, GDI+
- ASP .NET MVC (all versions), Web Api 2, OData, ServiceStack, SignalR
- ORM: Entity Framework, NHibernate, Dapper
- Familiar well with NUnit, NCrunch, dotCover, Resharper, profiling tools

Strong experience in C/C++ (7 years total)

- stl, boost etc.
- Cross-platform both server-side and client-side development
- Multithreaded and distributed computing, concurrency

Excellent skills in front-end development (4+ years total)

- Responsive markup, HTML5, WebSockets
- Experienced in es5+, typescript, AngularJS 1.x, VueJS 2, familiar with React
- Advanced usage of node build tools, webpack & postcss

Working knowledge of database development

- MS SQL Server, T-SQL
- PostgreSQL
- Understanding of database design

## Publications

I am author or co-author of publications in International journal Software & Systems

<http://bit.ly/jonnypubs>

## References

You can see my public LinkedIn profile <http://ru.linkedin.com/in/jonnynovikov>