Andrey Akinshin

℘ +7-913-240-02-04
✉ andrey.akinshin@gmail.com
🖰 http://aakinshin.net

Enterprise programming

Microsoft .NET MVP (2015), Lead .NET Developer

Main skills .NET/C#, R, Algorithms, Mathematics, Architecture design

09/2010–Present Perpetuum Software LLC / Enterra, Inc / Adaptive Technologies
09/2010–08/2011 Junior Software Developer
09/2011–01/2013 Software Developer
02/2013–Present Lead Software Developer

○ PassportVision: Software for recognizing data from document scans.
Team Lead, responsible for the architecture design and recognition algorithms.

○ Grapholite: Diagram editor for 🪟 🪟 🌐 🦊 🍎 🤖 (an analogue of MS Visio).
Responsible for algorithms, mathematics, and architecture design.

○ Knockout MVC: ASP.NET MVC wrapper for knockout.js.
Main developer: architecture design, API, main logic, official site, docs, etc.

○ UI Controls for Windows 8: A set of UI controls for Windows Store apps.
Main developer: architecture design, API, XAML-layout, demo project, etc.

Science

PhD in Mathematics and Computer Science, Postdoctoral Research Fellow

08/2012–Present Sobolev Institute of Mathematics SB RAS (Novosibirsk, Russia)
Laboratory of Inverse Problems of Mathematical Physics
08/2012–06/2014 Engineer
07/2014–Present Research scientist

Areas of expertise: bioinformatics, gene networks, bifurcation theory.
The grants RFBR 12-01-00074, RFBR 15-01-00745 A.

10/2014–Present Weizmann Institute of Science (Rehovot, Israel)
Faculty of Mathematics and Computer Science
10/2014–Present Postdoctoral Research Fellow

Areas of expertise: digital signal processing, Fourier transform, Gibbs phenomenon.

Competitive programming

Final of Russian Olympiad in Informatics ROI 2006: Gold medal

ACM International Collegiate Programming Contest 2008: Certified participant

ACM International Collegiate Programming Contest 2009: Silver medal

Teaching

09/2006–05/2012 Coach of competitive programming teams at the Barnaul Gymnasium №42.

09/2009–06/2012 Senior lecturer of computer science at the Altai Economics and Law Institute.

09/2009–06/2012 Lecturer under the Russian federal program F-263 №4.

Selected open source projects

ProblemBook.NET	Online book with compilation of .NET and C# problems
Phd-LaTeX-Template	LaTeX-template for Russian Phd thesis
BenchmarkDotNet	.NET library for benchmarking
InteropDotNet	Cross-platform AnyCPU P/Invoke for .NET
CultureInfoExplorer	WPF-explorer of CultureInfo instances in .NET

Selected public talks

.NEXT 2014 Moscow	"Let's talk about different .NET versions"
.NEXT 2015 Piter	"Let's talk about micro-optimizations in .NET applications"
.dotnetconf 10	"Practical .NET applications optimization approaches"
CLRium #2	"CoreCLR, RyuJIT, and DNX"

Selected certificates

07/2014	Microsoft Certified Professional (MCP)
12/2014	Data Science, a 10-course specialization by Johns Hopkins University on Coursera

Profiles

CV and blog	http://aakinshin.net
GitHub	https://github.com/AndreyAkinshin
StackOverflow	http://stackoverflow.com/users/184842/AndreyAkinshin
Habrahabr	http://habrahabr.ru/users/dreamwalker
LinkedIn	http://www.linkedin.com/in/AndreyAkinshin
SlideShare	http://www.slideshare.net/AndreyAkinshin
Google Scholar	http://scholar.google.ru/citations?user=rYVl83IAAAAJ