Sergey **Todyshev**

SOFTWARE ENGINEER

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Sum**mary**

Current Software Engineer at Xored. 15 years of experience specializing in any kind of software development. I like writing efficient code, solving challenging tasks, learning new technologies and tools. I like using functional programming first for problem solving.

Wor**k Experience**

Xored   *Novosibirsk, Russia*

TECHNICAL LEADER   *Jan. 2016 - PRESENT*

- Integration of B2B web apps for the communications industry to the private Cloud. Using JavaScript, Java, RESTful Web Services, Go, Docker.
- Development of Spirent Velocity platform

GrapeCity   *Novosibirsk, Russia*

SOFTWARE ENGINEER   *Jan. 2011 - Jan. 2016*

- Development of GrapeCity ActiveReports & ActiveReports Server components.
- Made a significant contribution rewriting report engine to dramatically boost performance. This is reflected in latest releases of Active Reports.

CodeFibers   *Berdsk, Russia*

SOFTWARE ENGINEER   *2009 - 2010*

- Principal engineer of CarbonDocs - fast HTML rendering engine with parallel pipeline with ASP.NET-like template system capable to generate PDF, Image documents.

Data Dynamics   *Novosibirsk, Russia*

SOFTWARE ENGINEER   *2007 - 2009*

- Principal author of cross-compiler (binary translator) from .NET bytecode to Adobe Flash Player bytecode. Since 2009 the compiler is used to translate Active Reports Flash Viewer assembly into SWF file runnable in Adobe Flash Player. Unfortunately the compiler is not maintained since 2009, but it is very stable (covered with thousands of tests) and still running on build machines to compile Flash Viewer.
- Development of Data Dynamics Reports components

DIOPTIC GmbH   *Novosibirsk, Russia*

FREELANCER   *2003 - 2004*

- Development of voXcat - tomography analysis software

CadWise   *Novosibirsk, Russia*

JUNIOR SOFTWARE ENGINEER   *2002 - 2004*

- Development of AutoCAD runtime extensions like Power Studio
- Development of Data Access Layer to query and store data in Microsoft Access Database
- Development of shared UI components for embedded databases used in all company products

Institute of Automation and Electrometry   *Novosibirsk, Russia*

STUDENT   *2002 - 2007*

- Development of Device Manager - hardware abstraction layer to control multiple devices of unique Circle Laser Writing System created by IAE
- Abstract Control System - allows drawing visual programs to control real devices something similar to LabVIEW
- Integration of CPython scripting to CLWS software
- Development of software for phase-shifting interferometers and profilometer

Edu**cation**

Novosibirsk State University   *Novosibirsk, Russia*

B.S. IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 1999 - June. 2004*

Institute of Automation and Electrometry   *Novosibirsk, Russia*

PHD STUDENT   *Sep. 2004 - June. 2007*