Egor Tensin

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E-mail:	Egor.Tensin@gmail.com
Web:	https://egor-tensin.github.io/
	https://github.com/egor-tensin
Tel.:	+7 (911) 982-06-81
Address:	3 Ushakovskaya Naberezhnaya, bldg. 2, apt. 409
	Saint Petersburg, Russia, 197342

Experience

December 2020 – present	*Senior C++ Engineer* at CloudLinux, Inc. (www.cloudlinux.com)

Work in progress...

January 2020 – October 2020	*Senior C++ Engineer* at Bercut Ltd. (www.bercut.com)

I was a member of a backend team responsible for developing key parts of a billing system used by various telecom operators.

- Cross-platform (Windows, Linux & Solaris) development.
- C++ programming.
- Python/C++ interop using Boost.Python.
- Some containerization work using Docker.

September 2017 – July 2019	*Senior C++ Engineer* at Flightradar24 AB (www.flightradar24.com)

I took part in the development and support of the backend part of the Flightradar24 project. I was responsible for how various parts of the backend received, processed and stored third-party data in an efficient & robust manner.

- Native Linux development.
- C++ programming (inc. C++17 & Boost).
- Python programming.
- Containerization and orchestration using Docker.
- AWS (EC2, Lambda, DynamoDB, S3).

September 2014 – August 2017	*Software Engineer* at Netwrix Corp. (www.netwrix.com)

I took part in the development of an enterprise-scale product as a member of a core R&D team. I was responsible for developing various low-level components (among others):

1. a "task scheduler" to provide means of asynchronous execution for other components,
2. a modular RESTful API implementation.

- Native Microsoft Windows development (WinAPI, COM, ATL).
- C++ programming.
- .NET programming using C#.
- Microsoft SQL Server & related technologies (Reporting Services, etc.).
- XML & related technologies (XSLT, XSD, etc.).

| April 2012 – May 2014 | *Performance Engineer* at EMC Corp. (russia.emc.com) |

I developed and maintained a tool for revealing, analyzing and solving storage system performance issues, specifically process & thread synchronization issues. I also troubleshooted general performance issues within enterprise storage systems, including profiling, benchmarking, etc.

- Native Microsoft Windows & Linux development.
- Microsoft Windows & Linux kernel module development.
- C++ programming (inc. C++11 & Boost).
- C & x86(-64) assembly language programming.
- Microsoft Windows kernel debugging.
- Performance profiling.

| May 2012 – September 2013 | *Software Engineer* at Lanit-Tercom, Inc. (www.lanit-tercom.ru) |

I took part in a R&D on the impact introduced to the performance of a storage system by process & thread synchronization issues. A prototype of a tool for revealing, analyzing and solving specific storage system performance issues was developed.

- Native Microsoft Windows development.
- Microsoft Windows kernel module development.
- C & x86(-64) assembly language programming.
- Python programming.
- Microsoft Windows kernel debugging.
- x86(-64) architecture.
- undocumented Microsoft Windows features.

Programming Languages

- C, x86(-64) assembly
- C++ (inc. C++17 & Boost)
- Python

Languages

- Russian — mother tongue.
- English — C1 (advanced).

Other Tools & Technologies

- LibreOffice, Microsoft Office
- CygWin
- LaTeX

Development Tools & Technologies

- **Operating systems**: Microsoft Windows, Linux
- **IDEs**: Microsoft Visual Studio, CLion
- **Cloud**: Docker, AWS
- **Build systems**: CMake, GNU Make
- **CI**: Jenkins
- **Scripting**: CMD, GNU Bash, PowerShell
- **Version Control**: Git, Apache Subversion, TFS, AccuRev
- **Debugging**: GDB, WinDbg
- **Performance**: perf, Xperf, Intel VTune Amplifier