Andrey Smetanin

Lead Software Developer at Group-IB - Intelligence-driven Cyber
Security
Moscow, Russian Federation

Summary

Software engineering and development in C/C++/Golang.

Experience

Group-IB - Intelligence-driven Cyber Security
Lead Software Developer
December 2017 - Present
Moscow, Russian Federation

EDR (endpoint detection and response) cyber-security agent research, design
and development for both Windows and Linux kernels(platforms). Implemented
high speed low latency security events gathering, processing and transmission
to server pipelines includes implementation of various caching, compression,
deduplication algorithms and data structures. Implemented process, thread,
image load, registry, network, file-system event filters. Analyzed and tuned
performance a lot to pass cpu, memory, disk i/o constraints even on slow/small
desktop computers.

Yandex
Software Engineer
October 2016 - December 2017 (1 year 3 months)
Moscow, Russian Federation

Yandex Cloud:

Local block storage service development.

Acronis
Senior Software Developer
March 2016 - September 2016 (7 months)
Moscow, Russian Federation

Windows kernel file-system filters drivers development.

Virtuozzo
Senior Software Developer

June 2015 - February 2016 (9 months)
Moscow, Russian Federation

Virtuozzo (Virtual Machines Hypervisor unit):

Windows Hyper-V VMBus host devices inside KVM/QEMU development.

Parallels
Senior Software Developer
August 2006 - June 2015 (8 years 11 months)
Moscow, Russian Federation

Parallels Cloud Server (Containers for Linux unit):

Linux kernel block storage development

Parallels Virtuozzo Containers for Windows:

Windows kernel containers development

Parallels Desktop for Mac:
VMM/Guest OS debugger development

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Education

Moscow Institute of Physics and Technology (State University) (MIPT)
PhD student, Distributed decentralized file systems · (2009 - 2012)

Moscow Institute of Physics and Technology (State University) (MIPT)
Master's degree, Applied mathematics and applied physics · (2003 - 2009)