

Stanislav Fomichev

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Experience

Sep 2015 - Present

Site Reliability Engineer

Google

– FIXME: Mesa (<http://research.google.com/pubs/pub42851.html>)

Aug 2013 - Aug 2015

Software Engineer

Yandex

– Implemented initial version of Linux container management system (<https://github.com/yandex/porto>)

– Improved tools for Linux Kernel performance analysis ([perf timechart](#) / [perf trace](#))

– As part of a team made Yandex specific adaptations for Linux Kernel and various fixed bugs (<https://github.com/yandex/smart>)

– Supported Linux kernel and container management system, which included troubleshooting and maintaining a system which runs on tens of thousands of machines

Sep 2008 - Aug 2013

Software Engineer

EPSCoM AG

Consulting for [Lantiq Deutschland GmbH](#):

– Implemented complete OMCI (ITU G.984.4/G.988) protocol stack in the userspace for MIPS board

– Implemented and ported various U-boot and Linux drivers (NAND/SPI flashes, GPIO, I2C, SPI, parts of Ethernet and GPON drivers)

– Ported OMCI application, GPON and various BSP drivers (Ethernet, SPI, NOR, Watchdog) to [eCos](#)

– Supported and extended debugging application (Qt/C++ and Python)

Education

2008 - 2013

[National research nuclear university "MEPhI" \(Moscow\)](#)

M.S.E., Computer Engineering

Skills

Programming Languages

Experienced: C, C++, Go, Shell scripting

Familiar: Python, Ruby, HTML/CSS/JavaScript, SQL

Software and tools

GNU toolchain, Make, GDB, Autotools, Diff, Patch, Quilt

Experienced with distributed version control using Git and Mercurial

Operating systems and environments

Understanding of Linux kernel/system internals and main networking protocols

Understanding of computer systems and CPU internals

Excellent problem-solving and debugging abilities, including troubleshooting of large-scale distributed systems