

Objective

Seeking a position that utilizes my experience as well as brings in challenges.

Skills

Technologies: Linux (most distros), OpenVZ, Docker.

Languages: C, Go, UNIX shell. Past experience in C++, Python, PHP, Perl, SQL, MUMPS, Pascal, Basic, x86 asm.

Dev tools: gdb, git, vim, GNU make, automake/autoconf/libtool.

Packaging: rpm (spec), Gentoo (ebuild).

Documenting: troff/man, LaTeX, asciidoc, HTML, mediawiki etc.

Experience

Jan 2015 to present: Senior Software Engineer, Virtuozzo (Parallels, SWsoft), Seattle, WA

Researching, prototyping and developing current and future Virtuozzo technologies (C and Go). Projects include:

- CRIU: <https://github.com/xemul/criu/commits?author=kolyshkin>
- Go wrapper for libploop: <https://github.com/kolyshkin/goploop> and ploop CLI: <https://github.com/kolyshkin/goploop-cli>
- Docker ploop graph driver: <https://github.com/kolyshkin/docker/tree/ploop/daemon/graphdriver/ploop>
- Docker volume plugin for ploop: <https://github.com/kolyshkin/docker-volume-ploop>
- Mosaic library: <https://github.com/kolyshkin/mosaic>

Apr 2005 to Dec 2014: OpenVZ project manager, Virtuozzo, Seattle, WA and Moscow, Russia

Overall management and care of the OpenVZ project (Virtuozzo open source subset) from the get go.

- Development, maintenance and release of user space tools:
 - vzctl: <https://github.com/kolyshkin/vzctl>
 - ploop: <https://github.com/kolyshkin/ploop>
- Tech talks at conferences (some are at <https://www.slideshare.net/kolyshkin/presentations>)
- Set up and maintenance of the project infrastructure: web sites, mailing lists, bug tracker, source code repo, etc.
- Writing for OpenVZ blog: <http://openvz.livejournal.com/?poster=k001>, Wiki, etc.

May 2004 to Apr 2005: Application Manager, Deutsche Bank, Moscow, Russia

Second level support for fixed income trading floors in London and Frankfurt.

- Responsible for high availability of server-side trading software and infrastructure
- Designed and developed new monitoring system agents to reduce the number of false alerts

Nov 2000 to May 2004: Software Engineer, SWsoft (now Virtuozzo), Moscow, Russia

Managing/developing a few projects, including:

- Developed ASPseek, an open source search engine in C++
- Developed vzctl, the Virtuozzo user space tool to manage containers
- Designed and prototyped the new "ez" template tools (distro packaging for containers)
- Leading and managing Virtuozzo (Linux) kernel QA team (6 people)
- Redesigned Virtuozzo test suite infrastructure; made test results predictable and reproducible

Sep 1998 to Oct 2000: Network Engineer, Severgazprom, Ukhta, Russia

- Maintaining and troubleshooting a 650+ hosts LAN and 11000+ hosts WAN
- Linux servers, Motorola/HP/Cisco routers and switches installation, configuration, and maintenance

Jul 1997 to Sep 1998: Technical Manager, Severtelcom ISP, Ukhta, Russia

- Set up and administration of an HP-UX server, Cisco routers, web, mail, proxy servers
- Web site development (HTML/PHP/graphics)

Oct 1994 to Jul 1997: Computer Engineer, Komineft, Ukhta, Russia

- Administration of SCO UNIX, HP-UX, Novell Netware and Linux servers

Education

Oct 1997 to Dec 2000: Russian State University of Oil and Gas, Moscow, Russia

- Postgraduate courses in Computer Science

Sep 1992 to Jun 1997: Ukhta State Technical University, Ukhta, Russia

- Master degree in Computer Science, graduated summa cum laude