

Oleksandr Natalenko

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Professional summary

Creative and detail-oriented System Engineer with Master's Degree in Telecommunications, solid C programming skills and deep interest in modern open source technologies. Self-starter, little/no supervision. Authored several scientific publications. Steady, balanced, able to learn quickly.

Core qualifications

- Excellent operational knowledge of Linux systems.
- Strong skills in system-level C programming.
- Wide experience with open source virtualization and software-defined storage.

Objective statement

Looking for a job opportunity to utilize my technical experience to contribute to open source technologies. Sympathetic to system-level development, including networking and storage.

Employment experience

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|-----------------------|---|
| Sept 2016 – now | Red Hat, Senior Software Maintenance Engineer, Linux kernel |
| Sept 2014 – Sept 2016 | Lanet Network ISP (AS39608), cloud virtualization/storage team leader <ul style="list-style-type: none">• Deployed corporate virtualization/storage cluster in KVM, GlusterFS and Ceph.• Hunted major memory leaks in GlusterFS and NFS-Ganesha.• Developed UDP DNS HA balancing solution.• Optimized Web and VoIP network services. |
| Jan 2013 – Sept 2014 | Mac-Service Ltd., system administrator <ul style="list-style-type: none">• Deployed and improved 10+ corporate LANs (switching/routing/storage/VoIP/virtualization). |
| Nov 2010 – Nov 2012 | Janus WWI, software UI localizer <ul style="list-style-type: none">• Google, Apple, Microsoft products. |
| July 2010 | ZTE Corporation practice, optical IP-transport engineer assistant. |
| Sept 2008 – May 2011 | University hostel network administrator <ul style="list-style-type: none">• Improved LAN/WLAN heavily.• Deployed centralized data storage. |

Education

Sept 2007 – June 2013 Master's Degree in Telecommunications, Institute of Telecommunication Systems, National Technical University of Ukraine "Kyiv Polytechnic Institute".

Professional skills

- Servers: Supermicro.
- Linux: RHEL, CentOS, Debian, Arch, Ubuntu.
- Cloud: KVM, ESXi, Docker, GlusterFS (C API), NFS-Ganesha HA (keepalived), Ceph (CephFS C API, RBD).
- Programming: C (POSIX API, Linux kernel internals, OpenMP), x86 assembly, Bash/Python-scripting, Java (J2SE, Swing).
- Debugging: crash-util, GDB, Valgrind, strace, Wireshark.
- Network services: BIND9, PowerDNS, nginx, Apache, MariaDB, OpenVPN, Postfix, Dovecot, Rspamd, Zabbix, Asterisk, iptables/nftables, tc+HTB.
- Network equipment: Cisco, OpenVox, GoIP, D-Link, ZTE, Apple.
- Web: HTML, CSS, PHP, JavaScript.
- CAS: MATLAB/Octave, Mathcad, Maxima, Maple.
- Software localization (Ukrainian/Russian market), technical translation/editing.

Major publications

- "Wireless networks planning software", "Wireless Ukraine" magazine, #5 (2), Sept 2010.
- Internet-publications
 - Interview with Edward Shishkin, developer, Reiser4.
 - Interview with Nigel Cunningham, developer, TuxOnIce.
 - Interview with Stas Protasov, CTO, Parallels.
- K. Prokopenko, O. Natalenko. "Multiposition signals antijamming ability determining". 6th International Scientific Conference "Telecommunication Problems — 2012".
- "pf-kernel — explanation", Open Source Development Network Conference, Kyiv, 2012.

Remarkable projects

- pf-kernel maintainer (<https://github.com/pfactum/pf-kernel>)
 - Out-of-tree patches review/merge.
 - Quality control, bugfixing and escalation.
- dnshbalancer developer (<https://github.com/pfactum/dnshbalancer>).
- Former Linux.Org.Ru moderator, Midnight Commander/VLC UI localizer.
- Other projects: <https://github.com/pfactum>.

Languages

- Ukrainian (native)
- English (fluent)
- Czech (basic)
- Russian (native)
- Italian (basic)