

Stanislav Bogatyrev

CTO // Dev // Ops

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Experienced Linux Software and Systems Engineer with focus on HA Clusters, Complex Infrastructures Orchestration (DevOps), Data Storage, Linux Kernel and related things. Over the last few years I act mainly as a team leader/CTO with deep dive in technologies.

Skills

Software Development

Languages	C/C++, Perl, Python, Shell, PHP, Java, Ruby, Erlang, Verilog, VHDL, etc.	SCM and CI	CVS, SVN, Git, ClearCase, Jenkins, more.
Linux Kernel	Driver development and porting. Net, MTD, Block subsystem knowledge.	Embedded	PowerPC, ARM, MSC51, MIPS. Mostly Linux.

Systems Engineering

Infrastructure	Chef, Ansible, Vagrant, Hashicorp stack, etc	Clustering	Linux-HA, Pacemaker, Deep understanding of clusterization techniques.
Web	HighLoad web projects architecture design and optimization, Understanding of how things work in Web.	Monitoring	Distributed monitoring, collected data analysis, Zabbix, Ganglia, Riemann, Graphite, InfluxDB
Virtualization	Xen, KVM, OpenStack, libvirt, Docker, etc.	Storage	Shared and distributed storage design and implementation. SRP, iSER, iSCSI, AoE, etc.

Experience

Vocational

Sep 2014–Now **Head of Operations**, *AIS*, Work under NDA.

- Ops team management in distributed multi-national team (about 7 persons), HR stuff.
- Capacity planning and infrastructure design (Cloud + bare metal).
- Introduced HA components in critical infrastructure parts. HA DB clusters (Percona Cluster, PostgreSQL, Redis), Web (nginx, HAProxy, php-fpm, Node.js), e-mail, data storage.
- Implemented reproducible platform based on CentOS and controlled by Chef and terraform/vagrant.
- Re-organized Ops process to have proper incident reporting, post-mortems, kanban-based agile workflow, Infrastructure as a Code approach and useful DevOps practices like code reviews, reproducible builds and environments, automated testing, etc.
- Collaborating with Dev team to introduce new features making system more resilient and fault tolerant.

Jun 2012–Sep 2014 **Systems Architect**, *Clodo.ru*.

- Design and prototyping of OpenStack compatible Cloud Platform based on Yandex Cocaine for management isolation.
- Design and prototyping of distributed Monitoring System with focus on data analysis for false-positives elimination.
- OpenStack integrated platform design and prototyping.
- Infrastructure orchestration tool stack development.
- Team management/HR.

Jan 2011–Jun 2012 **Principal Systems Engineer**, *Clodo.ru*.

- Design and implementation of cloud storage and content delivery system (OpenStack Swift + Nginx), first offer in Russian market.
- Design and implementation of storage infrastructure for cloud platform.
- Adapting Chef for infrastructure orchestration.
- Team management (7 developers and sysadmins)/HR.
- Organizing development process (Scrum-based).
- Adapting open source software for internal use.

- Aug 2007–Jan 2011 **Senior Software Engineer**, *EMC²*.
- Development of Firmware and drivers for Celerra NX3e Single SP.
 - Linux kernel drivers development.
 - Adaptation of OpenEmbedded and buildroot, integration with current build systems.
 - University Co-Op Projects Technical leadership.
 - Prototyping platform for new generation of Centera CAS from scratch. Linux-HA based.
 - Adapting Linux kernel and other OpenSource software to suit product needs.
 - Maintain custom SLES-based linux distribution and build environment for Centera Platform.
 - Developing Centera CAS Platform software for RAIN Centera.
 - Support LAB environment, install new clusters.
 - QA.
- Mar 2006–Dec 2006 **Lead System Administrator**, *SmartPhoneLabs LLC*.
- Design, implementation and maintenance of production environment (services for cellular providers) consisting of High Availability clusters.
 - Infrastructure planning and implementation.
 - Intranet maintenance.
- Mar 2004–Aug 2007 **System Administrator**, *Intermedia.NET*.
- Adapting open source software for use in hosting environment and adding clustering support.
 - Administration of production servers and clusters in remote data centers (about 1500 servers).
 - Setting up testing environment.
 - Design and implementation of infrastructure improvements.
 - Help in solving complicated support cases.
 - L1+L2 customer support in English (email and phone, first 3 months)
- Aug 2003–Mar 2004 **Network Software Developer**, *Kenjitsu Ltd*.
- 2002–2006 **Trainer**, «Support» *Educational Center*.
- Sep 2001–Aug 2003 **Assistant Software Developer**, «Garmonia» *Educational Center*.
- Mar 2000–May 2001 **Software Developer**, «President-Neva» *Holding*.

Miscellaneous

- 2011–2013 **Junior Researcher**, *SPB SUAI*.
Linux basics course
- 2008–2015 **Co-Founder**, *o1host.net*.
Creating from scratch one of the first Cloud hosting (Iaas) companies in Russia.

Voluntary

- 2006–2011 **Co-organizer**, *Chaos Constructions*.
System Administration of biggest Demo-Party in Russia.
- 2008–2009 **Co-organizer**, *NightFest*.
Co-organization of extreme night games festival.
- 1998–Now **Contributor**, *FOSS*.
Improvements and bug fixes for different open-source projects (OpenEmbedded, Ejabberd, OpenZaurus, Horde Framework, MatchBox, Linux-HA, Pacemaker, Buildroot, Debian-live, Chef and chef cookbooks, etc.)

Education

- 2008–2010 **Master of Management**, *St. Petersburg State University of Service and Economics*.
Special subject: Innovations management
- 2007–2010 **Ph.D in Telecommunication Systems**, *St. Petersburg State University of Information Technologies, Mechanics and Optics, Department of Computer Technologies and Controlling Systems*.
Expected in future.
- 2002–2007 **Dipl. Engineer**, *St. Petersburg State University of Information Technologies, Mechanics and Optics, Department of Computer Technologies and Controlling Systems*.
Special subject: Embedded Systems
- 2001–2002 **Transferred**, *St. Petersburg State Polytechnic University, Department of intellectual systems and technologies*.
Special subject: Radio Physics and Microelectronics

Languages

Russian	Native	
English	Fluent	<i>spoken, written</i>
Spanish	Good	<i>spoken, written</i>

Honors & Awards

- 2015 **6'th place at root.yandex.com contest**.
Participation as a member of "Linuxorgru" team.
- 2012 **Expert of the year**, *expert.ru*.
"Expert of the Year 2011" Award from Expert Magazine (expert.ru)
- 2010 **Individual Excellence Award**, *EMC²*.
- 2009 **Silver Star Team Award**, *EMC²*.
- 2008 **Silver Medal of Recognition**, *EMC²*.

Interests

- Off-Road 4x4 Some times I participate in Off-Road events and like to travel by car where rare people walk.
- Cycling Cross-Country and light Dirt.