Dmitriy Lipin

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github.com/blackwithwhite666

Education

2006 - 2011	**Engineer's degree, Electrical and Electronics Engineering**, *Orenburg State University*.

Skills

Launguages:	Python, C, C++, PHP, JavaScript, Java
Adm.:	GNU/Linux, switches, routers

Experience

February 2008 - March 2010

System Administrator, Engineer, *ЗАО "Инвестэлектросвязь" (Corbina)*, Orenburg.
- Configuration and supporting network devices of broadcast access network (last-mile).
- Implemented monitoring system using Nagios.
- Developed system searching hosts by MAC-addresses.

September 2009 - April 2013

System Administrator, Developer, *Комитет обеспечения деятельности мировых судей*, Orenburg.
- Creation of network infrastructure, e-mail, proxy, IM and web servers using virtualization (KVM).
- Developed organization portal, integration of case processing system and created portal - http://kodms.ru.
- Connect multiple regional offices to head office using VPN (IPsec in tunnel mode).
- Installing of backup and monitoring systems.

October 2011 - April 2012

Developer, *Softline Company*, Orenburg.
- Developing and supporting promotion web sites and http://softline.ru/ sites.
- Try to develop spelling correction for recognized text using n-grams.
- Implemented log collection and aggregation system for multiple sites to track application errors.

April 2012 - April 2013

Senior developer, *ООО "ГДЕЭТОТДОМ.РУ"*, Moscow.
- Developed framework designed for creation of backend services using Thrift as RPC framework. Service auto-discovery was implemented using Zookeeper.
- Implemented some backend component, worked on system infrastructure (designing, creation, monitoring).
- Developed service that collect and aggregate statistics data. Recent data was stored in Redis, older data was transfered to Cassandra.

April 2013 - February 2014

Lead developer, *ООО "ГДЕЭТОТДОМ.РУ"*, Moscow.
- Developed distributed file storage service using Openstack Swift as storage. Also developed service for making thumbnails on top of it.
- Tutorship, trying to use Scrum for more fair planning.

March 2014 - April 2015	**Senior developer**, *Yandex*, Saint Petersburg.

- Developing event monitoring system for ten of thousands of hosts named Juggler.
- Rewriting active checks (from monitoring nodes to clients) to C++ daemon. This made it possible to increase check frequency and system behaviour in case of multiple unreachable clients.
- Increase the number of events processed per seconds and reduce the number of monitoring nodes.
- Setup continuous integration for project.

April 2015 - now	**Lead developer**, *Yandex*, Saint Petersburg.

- Implementing notification subsystem that can send data to other services and users.
- New leader election algorithm using quantitative metrics to select best node.

Projects

- ThriftPool - https://github.com/gdeetotdom/thriftpool, application server for Thrift services. ThriftPool intended to serve multiple thrift services written in Python.

Other

- Profile on GitHub - https://github.com/blackwithwhite666.
- I like to solve non-trivial problem and open source. I have an experience with *nix systems.
- Languages - English, Russian.
- VCS - GIT, SVN.