

49-2 Bogatyrsky avenue

Saint Petersburg, Russia

+7 (921) 383-36-18

✉ blackwithwhite666@gmail.com

📄 github.com/blackwithwhite666

Dmitriy Lipin

Education

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

Skills

Languages: Python, C, C++

Databases: MySQL, MongoDB, Redis

VCS: Git, Subversion

Adm.: GNU/Linux

Experience

- February 2008 - March 2010 **System Administrator, Engineer**, ЗАО "Инвестэлектросвязь" (Corbina), Orenburg.
- Configuration and supporting network devices (routers, switches) of broadcast access network (last-mile).
 - Implemented monitoring system using Nagios.
 - Develop 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).
 - Develop 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.
 - Develop spelling correction service 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.
- Develop framework designed for creation of backend services using Thrift as RPC framework. Service auto-discovery was implemented using Zookeeper.
 - Develop service that collect and aggregate statistics data. Recent data was stored in Redis, older data was transfered to Cassandra.
 - Implemented some backend component, worked on system infrastructure (designing, creation, monitoring).
- April 2013 - February 2014 **Lead developer**, ООО "ГДЕЭТОТДОМ.РУ", Moscow.
- Develop distributed file storage service using Openstack Swift as storage. Also develop service for making thumbnails on top of it.
 - Trying to remove bottlenecks from existed services to decrease response time.
 - 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 behavior 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.
 - Reduce delay between incoming event and resulting notification from minutes to tens of seconds.
 - 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 using pre-fork worker model.

Other

- Profile on GitHub - <https://github.com/blackwithwhite666>.
- I like to solve non-trivial problem and open source. I am trying to find possible solutions before doing anything and trying to measure results of my work.
- Languages - English, Russian.