Sergey Vilgelm

Sr. Software Engineer

Over 10 years of software development experience with expertise in OpenStack core components, Python, Git, Gerrit. Ability to learn new technologies, out of box thinking, ability to manage projects, ability to work within tight deadlines, self-motivated, good team player.

Technical Skills

Skill Category	Skill list
Programming Languages	Python, PHP, Delphi
Networking	TCP/IP, UDP, Sockets, IPv6
Monitoring Tools	Zabbix
Technologies	OpenStack Core components
DB	PostgreSQL, SQLite, MySQL
NoSQL	Memcached
Web	HTML, CSS, JavaScript
Operating Systems	Ubuntu, Debian, OS X, Windows
Development Tools	Git, Gerrit, Mercurial

Foreign Languages Skills

Language	Written	Spoken
English	Upper-Intermediate	Upper-Intermediate
Russian	Native	Native

Work Experience

Mirantis
May 2013 - present
Software Engineer/Senior Software Engineer

- **Keystone-migration**
  A migration tool for keystone objects from one cloud to another using api v3
  (https://github.com/SVilgelm/keystone-migration)
- **Glance-replicator**
  Glance-replicator for independent Keystone with api v3
- **Cloudferry**
  OpenStack cloud workload migration tool.
  (https://github.com/Mirantis/CloudFerry)
- **Contractor at Ericsson**
  OpenStack consultant for Neutron's team. Teaching the members of the Ericsson's teams, making presentations, fixing the bugs in the code.
- **Contractor at Symantec**
  Fixing the bugs, improving a performance of the pl/pgsql scripts.
- **Vyatta Niblick**
  Developing a Quantum plugin together with a mechanism for deploying and configuring Vyatta VMs on demand.
- **Migration Volume in CInder**
  Implementing capabilities to migrate volumes between nodes.

Technologies: Python, OpenStack components, Postgresql

Reggi Business
Feb 2012 - Mar 2013
Software developer

Enhancement of the system for domains registrar. Rewriting many modules from PHP to Python.

- **PowerDNS**
  Deploying the PowerDNS. Developing the manage system for a domain records on the Django and JsonRPC. Configuring database replicas to create child dns services.
- **Zabbix**
  Deploying and configuring Zabbix to monitor all Servers. Developing UserParameter scripts.

Technologies: Python, Django, PHP, PostgreSQL, JSON

Aspan Telecom

Sep 2010 - Feb 2012

Software developer

Development and maintenance of the billing system.

- **Accounting equipment**
  Developing the module of accounting equipment.

Technologies: FreeBSD, PostgreSQL, Python, Turbogears, CherryPy

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Arna (BeTop, Ducat),

Dec 2008 - Sep 2010

Software developer

- **Billing system**
  Developing custom billing database, netflow collector.
- **NetUP UTM 5 Billing System**
  Deploying and customizing UTM5 web cabinet.

Technologies: Delphi, DevExpress, UniDAC, PostgreSQL, Oracle, NetFlow5, PHP

Electronic Archive Corp

Sep 2007 - Oct 2008

Software developer

- **Saperion**
  Deploying and configuring the Saperion to customers.
- Knowledge base
  Developing a knowledge base system management based on Drupal.

Technologies: VisualBasic, Delphi, PHP, Drupal

Skif Trade

Jan 2005 - Aug 2007

IT-technician, Software developer

- **Application for the cash registers**
  Developing software components for the cash registers.
- **IT-infrastructure**
  Deploying IT-infrastructure within 3 supermarkets.

Technologies: Delphi, MSSQL

Academic Records

Almaty University of Power Engineering and Telecommunications
Kazakhstan
Sep 1999 – Jun 2011
Electronic systems and technologies, Degree in Engineering.

Personal info

Location	Date of birth	Marital status
Austin, TX	Jan 31, 1982	Married, have two daughters