Timur Izhbulatov

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Relevant Experience

DevOps Engineer   **Globenove Ltd.**   **06/16 – 06/17**
- Working in a team of 4-6 developers on a call routing application written in Elixir (Phoenix framework)
- Implemented performance metrics (Elixometer, Telegraf, InfluxDB, Grafana)
- Wrote JSON logging module and wired it into the app (Elixir, Ecto)
- Developed statistical reporting and log analisys (ELK stack, Python)
- Automated cloud infrastructure (DigitalOcean, Ansible, Docker, DNSimple)
- Built continuous integration pipeline (Drone, Docker, Ansible, GitHub API, web.py, Celery)
- Participated in the definition of release policy
- Introduced exception tracking (Sentry)
- Influenced emotional climate in the team during a burnout by initiating feedback
- Documented essential procedures, CI and automation

Lead Developer   **MIRC Ltd.**   **12/12 – 12/14**
- Led teams of 2-5 members
- Adopted single-page applications, the approach used in 5 projects (AngularJS UI, pragmatic REST API in Python, Pyramid and SQLAlchemy)
- Introduced automation on Debian with SaltStack, pip, git, virtualenv, Vagrant
- Travelled to São Paulo, Brazil to discuss and plan new architecture for QIWI, payment kiosks provider
- Using previously made tools allowed to build first QIWI Wallet API prototype in a week
- Worked begintween QIWI and local team clarifying use cases, proposing and implementing solutions, assigning and supervising tasks, troubleshooting issues

Developer / Co-founder   **MIRRORCL.com**   **11/11 – 11/12**
- Developing media device for indoor advertising network since 2007 (AMD Geode, Debian, Python, MPlayer)
- Supporting network of 250+ devices in 3 cities since 2009
- Co-founded MIRRORCL in 2011, contributed network management software with online and offline access via USB storage (Python, Pyramid, SQLAlchemy)

Freelance DevOps Engineer   **08/12 – 10/12**
- Automated reviewpeatable Zabbix 2.0 deployment and configuration through its API using Puppet

Lead Developer / Architect   **MIRC Ltd.**   **10/10 – 10/11**
- Led a team of 3 members
- Architected company's main product, an extensible e-payment processing gateway (Python, SQLAlchemy, Celery)
- Introduced and documented Python deployment with PIP and virtualenv
- Defended the code during PCI DSS certification (card data processing security)

DevOps Engineer   **LivePress.com**   **10/10 – 11/10**
- Automated release engineering of an AWS-based system written in Erlang and Ruby
- Used Ubuntu vm-builder, shell scripts and Puppet to write flexible automated, repeatable build system for EC2 AMIs
- Documented build system
- Saved the team of 5 developers tons of tedious and error-prone manual work

Senior Sysadmin / Architect   **McHost**   **07/09 – 02/10**
- Worked in a Scrum-based team
- Implemented OpenLDAP directory service including IP level fault-tolerance (FreeBSD CARP), multi-master replication, centralized authentication and authorization of corporate services (SSH, WWW, IMAP shared folders), automated reproducibility (FreeBSD PXE installer, Puppet, special release engineering software), Nagios monitoring checks
- Continued development of OrgLDAP and adapted it to the company's environment

Senior Sysadmin   **.masterhost**   **03/09 – 07/09**
- Managed Parallels Virtuozzo VPS hosting service (200+ CentOS servers with 2000+ containers)
- Resolved backup issues by replacing cron jobs by queue manager written in Python
- Automated and documented server setup using PXE installer and custom kickstart scripts which allowed junior sysadmins to migrate the service to another data center
- Responsible for running Nagios monitorin system

Senior Developer / Sysadmin   **OILspace**   **02/05 – 02/09**

- Improved code maintainability by introducing Cheetah HTML templates to Aquarium, an Agile development and QA planning web application (Python, CGI)
- Promoted to Senior Developer in 2005, combined with Sysadmin role since 2007, managing production systems in London, Moscow, New York and Tokyo
- Facilitated transition to LDAP by introducing OrgLDAP, an easy to use Open Source user management web application for Office Systems team (Python, TurboGears)
- Enabled the QA team to respond instantly to critical issues by introducing SMS notifications plugin to JIRA project management (Java)
- Prepared company's software for local installations by writing a setup wizard (RHEL/CentOS, kickstart, ncurses)

Other Experience

Lead Developer, part-time   **Intellect Labs LLC.**   **2014 – 2016**

Prototyping a neurofeedback system aimed at inducing deep sleep/parabiosys state for activating natural regeneration, speed learning and other applications. This is achieved using electric or infrasound effector controlled by adaptive software following patient's state by analyzing brain waves (EEG signal).

Technologies: Python, NumPy, SciPy, Qt, Arduino, OpenBCI

Producer   **timur.bandcamp.com**   **1998 – 2011**

Producing electronic music mixing influence form rock, funk and psychedelic ambient.

Education

Research Engineer   **MIREEA(TU)**   **2004 – 2007**

Worked on Ph.D. thesis on LDAP-related software at Moscow State Institute of Radio Engineering, Electronics and Automation (Technical University). Qualified as Research Engineer in Management, Information Analysis and Processing.

Master of Science   **MIREEA(TU)**   **1998 – 2004**

Graduated as System Engineer in Computers, Computing Systems and Networks

Languages

- Russian: native
- English: fluent professional communication; able to pick up other fields quickly, watch movies

Interests

- Guitar, synths, writing music, playing in a band
- Healthy lifestyle, jogging, cooking
- Tech culture, making and using good tools, modern programming languages (Elixir, LLVM)