Tomasz Klosinski
DevOps / Site Reliability Engineer

Personal information
Citizenship: Polish
Swiss Permit: B

Contact
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My main professional objective is to learn and develop skills, improve my craftsmanship, to build agile, reliable, scalable and automated infrastructure stacks. My core values are professionalism, continuous learning and team work. I believe that they are the cornerstone of any successful and sustainable organisation.

COMPETENCIES

\#   Red Hat Enteprise Linux, CentOS Linux
\#   Bash and Python scripting
\#   Ansible, Chef
\#   Elasticsearch, Logstash/Beats, Kibana
\#   Cassandra
\#   KairosDB, Fluentd, Grafana
\#   Docker, Kubernetes
\#   Jenkins, Travis CI
\#   HashiCorp stack
\#   OpenStack, Amazon Web Services

AREAS OF INTEREST

\#   Open Source Technology
\#   Software Engineering
\#   Automated Configuration Management
\#   Monitoring, Time-Series Metrics
\#   Continuous Delivery
\#   Cloud Computing, IT Infrastructure
\#   Agile Methodologies

Education

2010–2012
Polish-Japanese Academy of Information Technology
Databases, M.A.

2008–2011
University of Lodz
Business Management, B.A.

2007–2010
University of Lodz
Computer Science, B.A.

Cerification

- Red Hat Certified Engineer
- Red Hat Certified System Administrator

Languages

- *Polish* (Native)
- *English* (C1)
- *German* (B1)

Experience

FLYNT BANK AG (Zug)   *Senior DevOps Engineer*   05/2016–Present

Technology: CentOS 7, FreeBSD, Ansible, Cassandra, Elasticsearch, Fluentd, Kibana, KairosDB, Grafana

- Building a logging and tracing/metrics collection system based on Elasticsearch/Fluentd/Kibana and Cassandra/KairosDB/Fluentd/Grafana and auditing system based on auditd.

- Automation of VMs provisioning (VMware), bootstrapping CentOS 7 system configuration and deploying services and applications on top of them

- Developing 100 Ansible roles for Linux services like Cassandra, Elasticsearch, HAProxy and Nginx load balancers and our scala/akka-based banking/financial applications.

- Designing and implementing a package delivery workflow - from fetching jars from Nexus and Ansible code from GitLab to deploying a new version on multi-staged environments.

- Management of FreeBSD PF-based firewalls and routers.

- Interviewing new DevOps candidates.

CERN (Geneva)	*System / DevOps Engineer*	04/2015–03/2016

Technology: Scientific Linux 6 (RHEL6), CentOS 7, Ansible, Bash, Python, auditd, rsyslog, nginx, Monit, Elasticsearch/Logalike/Kibana, git, PXE, kickstart

(1) *System Administration Modernisation Project*

- Development of automated configuration management with Ansible.

- Support and troubleshooting of over 2800 OpenStack VMs, desktops and servers critical to the operation of CERN accelerators.

- Transformation of an old Bash/AWK/Python script-based configuration management to a modern Ansible-based solution.

- Replacement of inconsistent/non-existing version control of various parts of system configuration with a single git tree.

- Massive analysis, comparison, fixing errors and making more consistent of kickstart files for 2800+ machines (including changes in PXE servers and generating kickstart files based on Ansible inventory file and CERN's internal sources of data about hosts).

- Implementing a filesystem monitoring system based on auditd, rsyslog, Elasticsearch, Logstash/Logalike and Kibana (dashboards).

- Various improvements to process control and monitoring of services (Monit).

(2) *Process Management and Deployment Project (PoC)*

- Design and implementation of the platform that could replace the former legacy service management solution, while keeping the interface and release-deploy-configure workflow for users backward compatible.

- Development of Python and Ansible-based tool for deployment of the accelerators controls applications. The tool included a database to make the applications persistent across OS reinstallations. It also generated configuration for service monitoring and management based on Monit. User of the tool could provide his own specific Monit checks for a service or group of services.

(3) *Accelerator Project Exploitation Tools - Tracing*

- System administration of Elasticsearch/Logalike/Kibana clusters:

- Creation of Monit configuration and checks for all ELK services;

- Development of Logalike extensions in Java.

Linux Polska (Warsaw)	*Solution Architect*	02/2014–03/2015

Technology: RHEL 6, CentOS 7, Jenkins, Bash, Python, Vagrant, Packer, Fedora Koji, Red Hat Satellite Server, Red Hat Enterprise Virtualization, GlusterFS, GitLab, Zabbix

(1) *Open Source Day*

- Organization of the biggest Open Source event in Poland.

(2) *EuroLinux Project*

- Design and implementation of Automated Delivery Pipeline for building RPM packages (using bash scripts chained into Jenkins' jobs).

IMPAQ Group (Warsaw)	*Software / System Engineer*	11/2011–01/2014

Technology: RHEL/CentOS 6, Ubuntu Server, Oracle Database, MySQL, GlusterFS, OpenStack (KVM), Cloudera Hadoop, Chef, HAProxy, nginx, Jenkins, Apache Cassandra, Zabbix, syslog-ng, Jira

- Support of RHEL/Oracle/Java telco applications for international cellular networks.

- Installation of a OpenStack cluster integrated with a GlusterFS cluster (automated with Chef).