

Kamil Samaj

Lead DevOps Engineer, Accolade

Summary

Writing, scaling & running cross-platform cloud services:

Deep professional experience:

OS: Linux (Debian, Ubuntu, RedHat, CentOS), Windows Server 2003-2012 R2

CM Tools: Chef, Puppet, Ansible

Scripting: bash, Python, Ruby, Powershell

Strongly typed programming languages: C/C++, C#

Virtualization: XEN, OpenVZ, VMware vSphere, KVM, Docker, Hyper-V, Azure

Monitoring tools: Nagios, Cacti, Splunk, Zabbix, CA Spectrum

Security: Nessus, Metasploit, Snort, FlowMon, IPS sensors, SIEM

Others: nginx, Apache, PHP, Redis, TWEM proxy, Cisco ASA & L2/L3 switches configuration, DNS, Debian packaging

And using cool things for fun: OpenWRT, Raspbian, OSMC, Vagrant, OpenVPN, AWS, Django

Experience

Lead DevOps Engineer at Accolade, Inc.

September 2016 - Present (5 months)

Senior Service Engineer at Skype

March 2016 - August 2016 (6 months)

- mix of systems, software, release and build engineering required to manage 100+ microservices in multiple data centers
- full responsibility for installing and running hundreds of baremetal Debian & Windows machines and hosting applications written in C/C++ or .NET, organizing HW maintenance, code deployments
- full responsibility for bootstrapping and running a few thousands of virtual machines on XEN and Hyper-V (98 % XEN+Linux), hosting various services using nginx, apache, Python, Java, PHP, PostgreSQL
- building new machines and setting up basically anything via Chef or Puppet
- building Redis clusters with TWEM proxies
- setting up packaging of new software/applications using QuickBuild
- writing Chef, Puppet, Python and bash for any custom automation, using git and svn for source code repositories

- daily work with security and software development organization in a DevOps model with trying to automate anything and share the responsibilities between developers and service engineers

Service Engineer at Skype

April 2014 - February 2016 (1 year 11 months)

Software Engineer, Performance, Monitoring and Analytics, Global services at Concur

January 2012 - March 2014 (2 years 3 months)

Key accomplishments:

- automating virtual machine builds and full machine bootstraps on OpenVZ and VMware vSphere using Puppet
- writing custom code to improve monitoring services

Experience:

- performance, availability and security monitoring using Splunk, WMI, Perfmon, SNMP, scripted inputs, various syslog feeds, web-based data mining, firewall logs
- mixed OS environment management (RedHat, CentOS, Debian, Ubuntu, Windows Server)
- Clustered and HA Big-Data Splunk monitoring infrastructure architecture & daily administration
- Linux RedHat, CentOS, Debian and Ubuntu automated mass deployment managed by Puppet
- high-availability server and application infrastructure using network load-balancing (F5 Big-IP), Splunk software clustering
- PCI DSS audits participation
- L2-L7 network traffic troubleshooting and monitoring using Extrahop
- SSL traffic decryption and analysis
- capacity planning
- new big-data features testing and on-boarding (Linux clustering, GFS2, GlusterFS, LVS, multipath, NFS, iSCSI)
- project leadership and guidance for other team members
- monitoring configuration management, change request handling
- participation on documentation and process development
- two-times promoted: Software Engineer I -> Software Engineer II -> Software Engineer III

System Engineer at CZ Ministry of Defence

November 2008 - December 2011 (3 years 2 months)

- intrusion detection and prevention systems management (NIDS/NIPS Cisco and Enterasys, Enterasys SIEM, NetFlow sensors, anomaly detection, security logs processing)
- development of monitoring and automation tools based on OpenSource software (Snort, SoftFlowd, monowall, FreeNAS, syslog-ng)
- penetration testing (nmap, Nessus, Metasploit, Cain & Abel)

- Cisco network switches and ASA firewalls administration (VLANs, remote access and client IPSec VPNs, ACL management)
- configuration and administration of application servers running Windows Server 2003/2008 and Linux CentOS (WWW, DNS, NTP, WSUS, local Linux repositories)
- virtualized server infrastructure administration (VMware vCenter/ESX/ESXi)
- SAN storage infrastructure administration (HP disk arrays, tape libraries, Brocade SAN switches)
- network traffic troubleshooting using tcpdump, Wireshark, flow-monitoring
- service availability monitoring with Zabbix
- security officer of Internet access domain system (Act No. 412/2005, on confidential data protection)
- new hardware and software specifications, cooperation on budget planning
- regular Cyber Defense training in multicultural NATO environment
- training of new local CERT team members

Languages

English	(Native or bilingual proficiency)
German	(Limited working proficiency)

Education

Czech Technical University in Prague

Master's degree, Computer Science, 2008 - 2010

Grade: Ing

University of Defense, Brno

Bachelor's degree, Communication and Information Systems, 2005 - 2008

Interests

Large distributed systems, automation, big-data collection, clustered services, swimming, cycling

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[Contact Kamil on LinkedIn](#)