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# Oleksandr Samoylyk

Papierfabrikgasse 12, 8045, Graz, Austria

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## SUMMARY

- Excellent technical skills with strong knowledge of current and emerging technologies
- Advanced Unix and Unix-like systems engineering skills
- In-depth knowledge of and significant experience with computer networks
- DevOps-minded



## EDUCATION

**University of Applied Science "CAMPUS02"**, Graz, Austria September 2014 – May 2017

Information Technologies & Business Informatics: *Master of Science in Engineering*

*Master's Thesis:* Design, Implementation and Evaluation of a High Availability Solution for a Logistics System

## EXPERIENCE

### IT Systems Engineer

May 2012 – Present

**KNAPP**, Graz, Austria

Provider of automated warehouse solutions and warehouse logistics software

- High availability solutions
- Unix and Unix-like operating systems
- Infrastructure as Code
- Scripting
- Security and disaster recovery strategies
- Network topologies
- Databases
- Virtualization

## SKILLS

### **Operating Systems**

Major GNU/Linux distributions (with a focus on Debian, Ubuntu, SLES, RHEL), FreeBSD, OpenBSD, AIX

### **Hardware**

Routers (Cisco ASR & ISR), switches (Cisco Nexus & Catalyst, Extreme Networks Summit), firewalls (Cisco ASA), modems (DSL, ISDN), NICs, wireless LAN controllers and access points (Motorola WiNG), KVM switches, storage systems, RAID controllers, tape drives and libraries

### **Server Platforms**

IBM System x / System p, HPE ProLiant, Dell PowerEdge, Supermicro SuperServer

### **Networking**

- Understanding of the OSI Model and TCP/IP stack including IPv6
- Knowledge of network hardware and packet forwarding architectures
- Experience with LAN/MAN/WAN and VPN (MPLS-, IPsec-based)

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networks, Ethernet and WLAN technologies, routing protocols (BGP, OSPF), redundancy, load balancing and high availability (HSRP, VRRP, GLBP), software and hardware-based firewalls, QoS policies, VoIP basics

- IPv6 transition and dual-stacked network deployment experience

## Services

Web (Apache, nginx, lighttpd), mail (Exim, Postfix, qmail, Dovecot), FTP (ProFTPD, vsftpd, PureFTPd), DNS (BIND), DHCP, proxy (Squid, Varnish, HAProxy), directory (LDAP), AAA (FreeRADIUS), group communication (XMPP, IRC, NNTP), VPN (IPsec-based, OpenVPN), TFTP, NTP, syslog, SNMP, IDS (Snort), IP PBX (Asterisk), clustering (Linux-HA), OS virtualization (KVM, Xen, VMware ESX, FreeBSD jail, LXC, Docker), OS provisioning (AutoYaST, Kickstart), configuration management/orchestration (Ansible, Terraform), backup and restore (Storix, rear), version control and continuous integration (CVS, SVN, Git, Jenkins), file sharing (NFS, SMB), software-defined/network-based storages (DRBD, Ceph), monitoring systems (Nagios, Zabbix, Telegraf-InfluxDB-Grafana), printing (CUPS)

## Databases

Oracle Database, PostgreSQL, MySQL/MariaDB, MongoDB, Kudu

## Programming/Scripting

Python, Perl, Bash, Go, C, C++, Haskell

## CERTIFICATIONS

### Brainbench

2013 – Unix Administration (General) – 4.67 (Master) – scored higher than 98% of all previous test takers

2012 – Linux Administration (SuSE) – 4.36 (Master) – scored higher than 99% of all previous test takers

### SUSE

2015 – SUSE Certified Linux Administrator

2016 – SUSE Certified Linux Professional

## TRAINING

2009 – Cisco Networking Academy: CCNA Curriculum

2014 – Oracle Database 11g: Administration Workshop

2014 – Motorola WEL 2304: Deploy WLAN Solutions

2015 – SUSE: Linux Enterprise Server 12 Administration

2018 – Cloudera Administrator Training for Apache Hadoop

## ADDITIONAL INFORMATION

### Languages

English, German, Ukrainian, Russian

### Hobbies

Photography, travelling, cycling, Rubik's Cube, postcrossing, toy voyagers, amateur theatre