Alexander Samoylyk

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SUMMARY	• Adaptable T-shaped mindset • Excellent technical skills with a strong knowledge of current and emerging technologies • Advanced Unix and Unix-like systems engineering skills • In-depth expertise in and significant experience with computer networks

EXPERIENCE

IT Infrastructure Engineer   Mar 2021 – Present
Google, *Frankfurt, Germany*
Internet-related services and products

• Building the world's largest state-of-the-art server and network infrastructure and keeping it running

Senior Systems Engineer   May 2012 – Feb 2021
KNAPP AG, *Graz, Austria*
Provider of automated warehouse solutions and warehouse logistics software

• High availability solutions
• Unix and Unix-like operating systems
• Automating server deployment
• Infrastructure as Code
• IT resilience planning
• Network planning and design
• Virtualization
• System hardening and security checks
• Databases

SKILLS

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

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

Server Platforms   HPE ProLiant, Dell PowerEdge, Lenovo System x, IBM System p

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)

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 HTTP Server, 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 systems (CVS, SVN, Git, Jenkins), file sharing (NFS, SMB), software-defined/network-based storages (DRBD, Ceph), monitoring systems (Nagios, Zabbix, Telegraf-InfluxDB-Grafana), printing systems (CUPS), Apache Hadoop ecosystem (Apache Kafka, Apache Spark, Apache Kudu, Apache Impala)

Databases   Oracle Database, PostgreSQL, MySQL/MariaDB, MongoDB

Programming   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

Oracle
   2019 – Oracle Cloud Infrastructure Certified Architect Associate

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