

Péter Károly JUHÁSZ



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SUMMARY

I was born in 1980, in Budapest, Hungary. I was learning to Programmer Mathematician but working as a System Administrator.

I am interested in: server administration, automatization, artificial intelligence, network security, P2P technologies and distributed systems.

My hobbies includes: programing, computers, Android, hiking, play the game of go, unicycling, learning Chinese, flight simulation, ...

EXPERIENCE

VMware, Linux specialist, NN Biztosító Zrt. Budapest, Hungary — 2017-present

Working as one of the RedHat Linux system administrator and a VMware ESXi administrator. Responsible for administrating and installing new RedHat servers (mostly virtual) maintaining OSGs and keeping servers up to date, working closely with developers and application administrators. Responsible for internal and external servers, mostly application and database servers running JBOSS, Tomcat, Oracle databases and loadbalancers. Daily routine includes, upgrading systems, managing RedHat repositories, writing Puppet modules, managing monitoring, doing system integration.

Accomplishments

- Introducing new Puppet infrastructure with Vault secret backend
- Building separated development network
- Taking part in numerous development projects as providing the needed infrastructure elements (for example: new document management system with Alfresco)

Keywords

- VMware, Puppet, 3PAR, Horizon, Satellite, RedHat, Nessus, Vault, Hieria, Pega, Alfresco, Tomcat, JBOSS, ESB, MQ, loadbalancer (LVS), Nagios, WAF

System Administrator, BalaBit IT Security Ltd. Budapest, Hungary — 2009-2017

Working as a System Administrator. Managing hardware and software, and giving user support. Responsible for the internal (web-, e-mail-, LDAP-, Asterisk-, Groupware, Samba-, database-servers; Zorp firewall) and outer (web-, mail-, DNS-servers) systems. Primary administrator for vSphere ESXi cluster. My daily routine contains managing backups, monitoring systems, installing and upgrading servers and managing firewalls. Doing system integration. Also carrying long term projects.

Accomplishments

- New backup system based on ZFS
- iSCSI storage system
- Microsoft Terminal server integration
- Introducing LDAP replication
- Moving to new office, configuring new firewall

- Introducing SOGo groupware
- Building new public web-server
- Deploying vSphere ESXi 5.0 cluster, based on old 4.1 one
- Building Single Point of Failure free company website in Amazon AWS (GlusterFS, EC2, ELB, Auto Scaling, RDS, NFS, Route53, cloud-init)

Keywords

- KVM, LVM, iSCSI, OpenLDAP, postfix, rsync, nagios, munin, Zorp firewall, syslog-ng, SCB, SSB, Asterisk, Courier, Cyrus, OpenVPN, BIND, Apache, MySQL, Linksys LCLI, ZFS, VMware ESXi, SALT, Varnish, Amazon AWS, Veeam Backup & Replication

System Administrator, Vital-ker Ltd.

Budapest, Hungary — 2007-2009

Working as the primary System Administrator. Managing hardware and software, and giving user support. Responsible for the internal (Samba-, MySQL-servers) and outer (web-, mail-, DNS-servers) systems. Doing supplies, and decision making. Me and my college were the responsible for the IT of this company.

Accomplishments

- New backup system
- New e-mail system
- Replacing old, not managed servers (hardware and software)
- Company's first public server

Keywords

- OpenVPN, Exim, Courier IMAP, Samba, BIND, Apache, MySQL

Freelancer System Administrator and Web Developer

Budapest, Hungary — 2004-2007

Running own server and giving web and e-mail services for customers. Developing web applications.

Accomplishments

- First public server

Keywords

- Exim, Courier IMAP, BIND, Apache, MySQL

EDUCATION

VMware Certified Professional 5 - Data Center Virtualization

Successful exam — 2014, 2016

BalaBit Certified Zorp Associate

Don't have an exam — 2010

Eötvös Loránd University, Faculty of Sciences

MSC Graduation of programmer mathematician — 2006-2008

Thesis title: Web statistics making methods

Keywords: AJAX, CSS, HTML, statistics, web, sequential pattern mining

Eötvös Loránd University, Faculty of Sciences
BSC Graduation of programmer mathematician — 1999-2006

Thesis title: Chess program

Keywords: artificial intelligence, two player games, alpha-beta search, TD-Lambda, perceptron

SKILLS

- Operating Systems: GNU/Linux (RedHat, Ubuntu, Arch), Android, Windows
- Virtualization platforms: VMware vSphere, KVM, VirtualBox, LXC
- Programming languages: Ada, Assembly, Bash, BASIC, C, C++, Java, Perl, PHP
- Server applications: Apache, Asterisk, BackupPC, BIND, Courier, Cyrus, Exim, Git, KVM, Munin, MySQL, Nagios, netfilter, Open-iSCSI, OpenLDAP, OpenVPN, postfix, Pure FTP, Puppet, rsync, Satellite, JBOSS, Lighttpd, LVM, LVS, LXC, Satellite, SCB, SSB, syslog-ng, Tomcat, Zorp firewall, Vault
- Web skills: AJAX, CSS, HTML
- Office skills: GIMP, LaTeX, Libreoffice

LANGUAGE SKILLS

- Hungarian: native
- English: intermediate level
- French: basic level
- Chinese: HSK3

REFERENCES

- Presentation on Hacktivity 2.0 security conference in 2004 on Port scanning, remote Operating System detection and TCP hijacking
- Paper: [Remote Operating System detection](#)
- Paper: [Port scanning and TCP hijacking](#)
- [Hungarian Go Association](#)'s web page
- [Hungarian Go Wiki](#) web page
- [Server Fault profile](#)
- Reviewer of the book: [Learning Nagios 4 \(ISBN 139781783288649\)](#)
- Reviewer of the book: [VMware vSphere Troubleshooting \(ISBN 9781783551767\)](#)