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Jozef Hamar

Job Applied For

Network Architect

Work Experience

Dec 2016 – present

Senior Network Architect

AT&T Global Business, Bratislava (Slovakia)

High and Low-Level Design of customer DC networks and migration scenarios. Focused on Routing and Switching, Big-IP F5, Cisco Nexus family and Fortigate FWs. Designing custom connectivity solutions for application projects, consulting other teams. Occasionally involved in deeper troubleshooting may the service assurance team need assistance and overseeing complicated changes on customer network.

March 2016 – Nov 2016

Senior Network Engineer

Runbook Technologies, Dublin (Ireland)

Project design and implementation. Majority of work includes Cisco Routers and Switches (campus and datacentre), Cisco ASA and Checkpoint FWs. Some Python scripting to pull data from complex infrastructure and analyse it in order to obtain specific information. Occasionally involved in troubleshooting complex issues to support the operations team.

April 2010 – Feb 2016

Senior Network Engineer

Hewlett-Packard Enterprise Services, Bratislava (Slovakia)

Global incident management for HPE biggest customers around the globe and complex issues with major impact (Level 4 support). Internally called "Network SWAT team", we have been involved in case usual escalation paths did not result in satisfying solution. Once involved, we were leading the technical investigation, driving various teams (quite often also non-NW). If required and identified, engaging other teams as well. Working on largest topologies for big, multinational financial, medical, energy, utility, food and public sector companies, many of them in Fortune Global 500 list. Supporting also Hewlett-Packard Enterprise own datacentres in US/EMEA/APJ with hundreds of network devices each. TCP/IP Stack on daily basis with lot of communication analysis. Proactive work, analysis of Netscout reports, improvement of existing infrastructure and issue prevention tasks. Deploying custom Netscout implementations for customers demanding high-end monitoring and reporting solution. If needed, preparing and leading projects to resolve more complex issues.

Sep 2009 – Mar 2010

System Developer

Crooce.com, the internet company, Bratislava (Slovakia)

Responsible for development of the infrastructure, systems and software the company business runs on. This included web, mail, dns platform administration, networking, C/C++ coding, shell scripting and some PHP projects as well. Operating systems were Linux, FreeBSD and Sun Solaris.

Mar 2008 – Aug 2009

Network Operations

Dial Telecom, Bratislava (Slovakia)

Network Operations, lead role of ISP & IT department. Responsible for core ISP networking (Routing, Switching, MPLS), IT infrastructure (web, dns, mail, etc.), Server Housing DC and core network (Cisco C7600) redesign and implementation of new features and services. After rival ISP company acquisition also head of technology site migration and merging.

Jun 2006 – Feb 2008

C#/C/C++ Software Engineer

Gratex International / Tempest, Bratislava (Slovakia)

C# and Linux C developer. Working on various projects for national telco and a streaming project led by Cisco. Lot of ADO.NET, data manipulation, parsing, representation and visualization, algorithm development. Linux C/C++ developer.

Sep 2002 – May 2006

Technical Support

Casablanca INT / Dial Telecom, Bratislava (Slovakia)

Network technical support / operations.

Education

2000 – 2006

Master degree in Computer Systems and Networks

Faculty of Informatics and Information Technologies, Slovak University of Technology, Bratislava, Slovakia

Diploma thesis on “Non-standard alternatives of communication in TCP/IP networks”. Covert channel utilizing regular TCP/IP NW traffic and virtual interfaces to inject data into unused/reserved fields in protocol headers. Implemented as Linux loadable kernel module.

Certificates and Awards

F5 Networks

F5 Certified BIG-IP Administrator



Cisco Systems

CCNP Routing and Switching, CCNA Security, CCDP



Passed the CCIE R&S Written, Lab preparations in active progress

Other

Paper on “Non-standard alternatives of communication in TCP/IP networks”

- The SC IET Award at IIT.SRC 2006
- Literature Prize for Scientific and expert writing and computer programs.
<http://www2.fiiit.stuba.sk/iit-src/2006>

RIPE NCC LIR training

Personal Skills

Native language

Slovak

Other Languages

English: Advanced

German: Intermediate

French, Hungarian: Beginner

Soft skills

Decent communication skills gained by daily interactions in multilingual team while solving problems and performing root cause analysis. This included and required lot of communication and discussion with different teams and people. Customer oriented: focused on business continuity, not on fixing a technical issue. Good leadership skills gained by driving different teams in cases of an incident with high impact, confusing symptoms and lot of customer pressure.

Training skills Often providing training sessions (5 minutes or all day long) for teammates / different teams on various technologies or interesting issues faced during day-to-day operations.

Technical Skills

Networking Familiar with various vendors (Bluecoat, Checkpoint, Cisco, Cisco Nexus family, F5, Foundry, H3C, HPN, etc.), broad spectrum of technologies (switches, routers, firewalls (Checkpoint, ASA, FWSM), proxy servers (Bluecoat), load balancers (F5), VPN (Checkpoint, Juniper SSL GW)). Deep knowledge of TCP, UDP, IP, application protocols, routing protocols (BGP/OSPF/EIGRP), switching, QoS, multicast, security, analytic tools (Tcpdump, Wireshark, Netscout). As a former lead of ISP networking department experienced with inside ISP operations, internet exchange services and peering, backbone network upgrades and growth, etc. Currently most occupied with / specialized on Netscout toolkit, F5 LTM and BGP/OSPF.

From troubleshooting perspective, deeper-than-average knowledge of various application protocols is a must: DNS, FTP, HTTP/HTTPS, Mail (IMAP/SMTP).

Operating systems GNU/Linux – advanced administration

Unix, MS Windows – intermediate

Programming languages C, Shell scripting – advanced

Assembler, HTML, PHP, Python, SQL – intermediate

Virtualization Running small personal virtual DC (VMWare ESXi/vSphere based) as a hobby with tens of virtualized hosts and many common services: Cloud File Sharing (ownCloud), DNS (Bind), Email (Postfix/Dovecot), Network services (FWs, LBs, Proxies), OpenVPN, SQL (MySQL), Web (Apache).

Various technologies Apache module programming, HP Service Manager / Open View, ITIL/ITSM, Joomla, Linux Kernel programming, Operating systems, PKI (RFC3280), SDN, security, experienced with hardware.

Interests

Algorithms, bicycle, books, canoe, chess, computer networks, computer security, fitness, hiking, history, learning new technologies, little daughter ☺, mountaineering, nature, programming, puzzles, teaching.