

VLADISLAV STAROSELSKIY

SR. SYSTEMS/NETWORK ADMINISTRATOR

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SUMMARY

Cross-platform experience in systems/network architecture, installation, implementation, integration, administration and security with a strong programming background; IT experience since 1992; MS degree in Computer Science, Sun Solaris 8 Certified Systems Administrator (SCSA), Microsoft Certified Systems Engineer (MCSE).

SKILLS

OPERATING SYSTEMS:

Unix: Sun Solaris, SGI IRIX, FreeBSD;
Linux: Fedora Core, Redhat, Ubuntu, Debian, Mandrake, Slackware, KSI, Bering;
MS Windows: Vista, XP, 2000, NT, 98, 95, 3.x;
Novell Netware; IBM OS/2 Warp; MSDOS; Mac OS X;

INTERNET/INTRANET SERVICES:

HTTP/WWW/SSL, FTP, DNS, NIS/NIS+, WINS, DHCP/BOOTP, SMTP, POP3, IMAP, TFTP/PXE, NNTP, NFS, SMB (Samba), SNMP, SSH/SFTP/SCP, Telnet, Proxy, VoIP, etc.;

BACKUP SYSTEMS:

Arkeia, Arcserve, Replica, Bacula, Veritas Netbackup;

DATABASES:

MySQL, Oracle, MSSQL, Btrieve, Scalable SQL;

PROGRAMMING LANGUAGES:

PHP, Perl, ASP, Shell scripting, HTML/JavaScript, C, REXX, Clipper, Assembler x86/z80;

NETWORKS:

WAN: Internet, Global One, ATM, Frame Relay, Tekos;
LAN: Ethernet, Fast Ethernet, Gigabit Ethernet, FDDI, Token Ring;

NETWORK PROTOCOLS:

TCP/IP, NetBEUI, IPX/SPX, X.25, Frame Relay, SIP;
voice: VoIP, VoFR; routing: RIP, OSPF; VPN: PPTP, L2TP, IPSec;

HARDWARE:

WAN: CISCO PIX 515/525 firewalls, 1600/1700/2500/2600 routers, 3COM/US Robotics, ZyXEL, Motorola, Zelax modems;

LAN: CISCO Catalyst 3500/6500, 3COM SuperStack 1000/1100/9300 switches, HP CoreBuilder 6012 Lanplex module, 3COM SuperStack DualSpeed, HP LinkBuilder FMS II hubs,

Servers: Sun Enterprise 450, E220R, Netra T1, Ultra 2/10/60, HP NetServer LE/LH/LS series with RAID 5 array, IBM xSeries 205/335/345, PC Server 310, Dell PowerEdge 2200/2500/2600/6600, IBM-compatible desktop/laptop computers;

Storage: Net Appliance Filer, SUN StorEdge A1000, RAID5 Electronix Arena II and SIVY8630 SATA;

High availability: IBM System Cluster 1350, F5 BIG-IP, Isilon IQ;

SOFTWARE:

Monitoring/management: MIDAS, HP OpenView, Micromuse Netcool, 3COM Transcend Enterprise Manager, SNMPStat, Cacti, RRDTTool, MRTG, Network Monitor, CINCO NetXRay, SATAN, XSpider, TCPScan, nmap, CISCO Works, CISCO ConfigMaker;

Remote access/control: VNC, SSH, Citrix WinFrame, MS Terminal, Norton PC Anywhere, Hummingbird Exceed;

Virtualization technologies: XEN, VMWare;

Mail systems: Sendmail, Postfix, Courier IMAP, Cyrus IMAP, MS Exchange, Novell GroupWise, NTMail;

Internet/Intranet: Apache, Weblogic, Bind, Squid, INN, Samba, IPFW, IPFilter, IPTables, TACACS+, Radius;

Backup systems: Arkeia, Veritas Netbackup, Arcserve, Replica;

System apps: MS Small Business Server, AdminSuite, JumpStart;

Office apps: MS Office, MS Frontpage, MS Visio, Adobe Photoshop, Adobe Acrobat;

Research apps: MedX/DICOM, Matlab/SPM2, FSL, AFNI, Paravision, XWinNMR, LCMModel, IDL, Superlab, Presentation, E-Prime.

EXPERIENCE

January 2009 – present

PAXFIRE, INC. – Sterling, VA

Sr. Unix Administrator

- Responsible for designing, installation, administration and support of Unix/Linux servers in a mixed OS environment as well as firewalls, switches and routers.

September 2002 – December 2008

GEORGETOWN UNIVERSITY – Washington, DC

Systems Administrator

- Performed systems administration for CSL (Center for the Study of Learning, Pediatrics Dept.), CFMI (Center for the Functional and Molecular Imaging, Neurology Dept.), Small Animals Imaging Laboratory (Neuroscience Dept.) and GRVP (Psychology Dept.);
- Installed and administered servers under RedHat Enterprise Linux, CentOS, Fedora Core, SGI IRIX and user computers under Windows and Mac OS X;
- Installed and administered diskless 19-nodes LM/MPI cluster with dedicated management node (TFTP/PXE/NFS), based on IBM System Cluster 1350 configuration;
- Checked systems security, installed security patches and bugfixes, disabled secure-weak services (telnet/ftp/etc.), implemented secure remote access (SSH/X-Windows based, VNC and Hummingbird Exceed);
- Planned, prepared, configured and administered firewalls Cisco PIX 515E and 525E with VLAN/NAT;
- Supported Electronix Arena II and SIVY8630 SATA RAID5 systems (17Tb of the total capacity), IBM 3581/3582/3583/TS3310 LTO tape libraries with Arkeia backup software;
- Monitored network using MIDAS, Nagios, Cacti/RRDTool and MRTG monitoring tools (SNMP protocol);
- Developed csl.georgetown.edu and cfmi.georgetown.edu websites, designed and implemented “Behavioral and MRI testing”, “Scoring” and “GRVP subjects” databases using PHP language and MySQL database, utilized SSL protocol for authorization and access;
- Supported mail servers (Sendmail) and websites (Apache) with PHP/SSI;
- Installed and configured XEN hypervisor for running various versions of Linux, needed for research applications;
- Installed, patched and configured MedX/DICOM, Matlab/SPM2/SPM5, FSL, AFNI, Paravision, XWinNMR, LCModel spectroscopy and image analysis application software;
- Programmed E-Prime and Presentation experiments;
- Performed “Systems and Network Security” presentation for Neuroscience Dept.;
- Troubleshoot hardware and software, supported users.

June 2002 – August 2002

TELVERSE COMMUNICATIONS – Sterling, VA

Systems Administrator

- Performed systems administration for Voice-over-IP services based on Sun Solaris 2.8, RedHat Linux 7.x, Windows 2000/NT4.0/98;
- Installed servers, maintained Internet/Intranet services: WWW – Apache/Weblogic, FTP – wuftpd/vsftpd, DNS - Bind, Mail – Sendmail with SMTP authorization, SSH/SSL – openssh/openssl; installed network authorization scheme based on OpenLDAP database;
- Implemented and supported network monitoring services for NOC, based on Micromuse Netcool 3.4 and HP Openview 6.2 applications, configured SNMP traps, loaded MIB databases;
- Implemented backup solution, based on Veritas Netbackup software with tape library, maintained network storage based on Net Appliance Filer and Sun StorEdge A1000;
- Administered VOIP services, based on Sylanro system and SIP protocol;
- Supported TimesTen (MySQL-based), LDAP and MSSQL databases for application-level systems;
- Programmed scripts using Perl and shell script.

October 2001 – May 2002

RIDHIMA TECHNOLOGIES INC. – Okemos, MI

Client: WAYNE STATE UNIVERSITY, Brain Imaging Research Division – Detroit, MI

Systems/Network Administrator

- Installed and administered a mixed system environment (Sun Solaris 2.7, SunOS 4.1.x, SGI IRIX 6.5, RedHat Linux 7.x, Mandrake Linux 6.x, Windows XP/2000/ME/98, Mac OS 9.x/10.x);
- Installed, configured and administered division’s servers and workstations;
- Installed software firewalls with NAT, tunnels based on IPSec protocol, VPN;

- Implemented NIS/DNS, DHCP, WWW, FTP services, remote access server (RAS), mail server with SMTP/IMAP services;
- Improved network scheme and systems configuration to achieve best overall systems performance;
- Planned and documented security scheme, applied recommended security patches, implemented SSH/SSL with secure telnet/ftp/copy services;
- Researched, planned and documented backup solution, based on ADIC Scalar 100 tape library and Veritas Netbackup Datacenter software;
- Installed Oracle 9i database;
- Installed and developed division's website (<http://brain.wayne.edu/>);
- Installed neuroimaging audio-visual stimulation, real-time data acquisition, magnetic resonance imaging and spectroscopy applications software (FIRE, LCModel, Paravision, XWinNMR, IDL, Matlab/SPM99, Presentation, SuperLab), solved users problems;
- Programmed scripts and data handling tools and converters in C, Perl and shell script languages.

December 2000 – September 2001

UNIVERSAL TECHNOLOGIES AND SERVICES INC. – Troy, MI

Systems Administrator

- Installed and administered a mixed platform computer network (Sun Solaris 2.8, RedHat Linux 7.0, Debian Linux, Windows NT 4.0);
- Created a screened-subnet Internet firewall to protect the company's internal network (NAT/Proxy);
- Implemented and maintained corporate email server, based on Sendmail, POP3, IMAP services and INN news server;
- Supported access to network services such as NFS, NIS/NIS+, NTP, DHCP, FTP, HTTP and Telnet/SSH;
- Analyzed server logs and network traffic;
- Tested and installed patches and packages;
- Installed and customized user's accounts and environments, managing of disk quotas;
- Performed automation by Perl and shell scripts for routine administrative and reporting tasks;
- Diagnosed and remedied various hardware, software, and network problems.

March 1998 – December 2000

PSKOV SAVINGS BANK OF THE RUSSIAN FEDERATION

Leading Systems/Network Engineer - Projects Manager

- Lead the team of 4 network engineers and 15 regional engineers;
- Planned, designed and implemented of LAN/WAN projects;
- Installed and administered:
 - Solaris 2.8/2.7, FreeBSD 4.0/3.x/2.x, MS Windows 2000/NT 4.0, Novell Netware 5.0/4.11/3.1x servers;
 - LAN: Ethernet, Fast Ethernet, Gigabit Ethernet, Token Ring, FDDI;
 - WAN: Internet, ATM, Frame Relay;
 - MS SQL 7.0/6.5, Scalable SQL 4.0, MySQL database engines;
 - Arcserve 6.x, Replica and Veritas backup systems;
 - TACACS+ system for CISCO users authentication;
 - IPFW and IPFilter software firewalls.
- Installed and supported Internet/Intranet services:
WWW (Apache 3.x, IIS 4.0), FTP (wuftpd, warftpd, IIS 4.0), DNS (Bind 8.x/4.x), MAIL (Sendmail 8.x, NTMail, Novell GroupWise 5.5), NEWS (INN 2.x), WINS and DHCP (standard Windows NT 4.0);
- Installed and configured VMWare for running multiple virtual machines (Linux, Windows) on the same hardware;
- Installed and configured network equipment (with VLAN implementation):
CISCO 2600/2500/1700/1600 routers; 3COM, HP hubs and switches;
HP CoreBuilder 6012 Lanplex module; 3COM, Motorola, ZyXEL modems;
- Monitored network equipment using 3COM Transcend Manager, HP Openview and SNMPStat by SNMP protocol;
- Created Virtual Private Networks (VPN) on CISCO routers;
- Implemented Voice-over-IP and Voice-over-FR technology, as well as RIP/OSPF routing protocols on CISCO routers;
- Analyzed network traffic using CISCO NetXRay and Network Monitor;
- Checked network security using network scanning tools (SATAN, TCPScan), configured access-lists for CISCO routers, implemented security policy for users;
- Programmed in C, Perl, Shell script languages;
- Some experience with Citrix WinFrame 1.7 and NT Terminal Server systems, Oracle 8.x database;
- Developed internal WWW server using MS FrontPage and HTML language;

- Solved Y2K problem, hardware and software troubles, supported users.

May 1996 - February 1998

PSKOV BRANCH OF SAINT-PETERSBURG J-ST. COMMERCIAL "EXIBANK"

Systems Engineer of Computing Department

- Installed and administered:
 - MS Windows NT 4.0/3.51, Novell Netware 4.x/3.x, IBM OS/2 Warp 3.0/2.1 servers;
 - LAN: Ethernet based on IPX/SPX, TCP/IP, NetBEUI protocols;
 - WAN: Internet based on TCP/IP protocol and Global One based on X.25 protocol.
- Installed and configured network equipment:
CISCO 2500 series routers; 3COM hubs and switches; USR, ZyXEL modems;
- Installed and supported Internet/Intranet services:
WWW and FTP (IIS 4.0), PROXY (WinProxy 3.x-4.x), MAIL (MS Exchange 5.x);
- Analyzed network traffic and monitored network equipment;
- Implemented backup strategy (magneto-optic and tape backup solutions);
- Migrated users from Novell Netware 4.11 to Windows NT 4.0;
- Programmed in MSVC++ 5.0, Clipper 5.2, OS/2 REXX languages;
- Developed internal WWW server using MS FrontPage and HTML language;
- Troubleshoot hardware and software, supported users.

November 1993 - May 1996

PSKOV REGIONAL COMMERCIAL BANK

Systems/Network Administrator (Specialist of 1st category)

- Administered Windows NT 3.51, Novell Netware 3.x, IBM OS/2 Warp 2.1 and Slackware Linux servers;
- Supported LAN (Ethernet) based on IPX/SPX protocol;
- Installed coax network;
- Implemented backup strategy (TapeBackup);
- Programmed in Borland Turbo C++ 1.0, Clipper 5.2, Assembler languages;
- Troubleshoot hardware and software, taught and supported users.

May 1992 - March 1993

PSKOV MACHINE-BUILDING PLANT

Computer Operator

- Administered X.25-based network "Tekos";
- Installed and configured modems;
- Troubleshoot hardware and software.

ADDITIONAL PROJECTS

December 2007 - present

U.S. RUSSIAN BUSINESS CONSULTING (<http://www.usrbc.org/>) - Washington, DC

- Performed consulting services - analyzed, then successfully reported/fixed problems in Windows 2003 environment, with MS Exchange 2003 server, and migrated PHP-based website.

March 2006 - present

RUSSIANDC INC. (<http://www.russiandc.com/>)

- Performed systems administration, technical support and PHP development for the website.

February 2006 - present

VSTARPHOTOALBUM (<http://freshmeat.net/projects/vstarphotoalbum/>)

- Designed and developed photo album, which generates thumbnails "on-the-fly", using PHP programming language.

September 2005 - September 2006

ROADSMS (<http://www.roadsms.com/>)

- Developed technical part of roadsms.com website using PHP programming language and MySQL database, as a volunteer.

September 2002 - June 2004

NETBAIT, INC. (<http://www.netbaitinc.com/>)

- Developed NetBait product, used to catch and analyze hacker's activity in a network, based on embedded Linux ("honeypot");
- Designed and built client-server architecture with back-end MySQL database using Perl programming language;
- Performed Q&A testing;
- Installed and administered LAN and WAN infrastructures.

September 2001

UNIVERSAL TECHNOLOGIES AND SERVICES INC. – Troy, MI

Client: STRUCTURED INFORMATION – Birmingham, MI

- Installed and configured:
 - *Windows 2000 Server in mixed-domain environment* on Dell PowerEdge 2500;
 - *MS Small Business Server* (Exchange, SQL, IIS, ISA, RRAS, etc.);
 - DHCP, DNS, WINS, WWW, mail, firewall *network services*.
- Created and tested *VPN*, based on PPTP and L2TP protocols;
- Implemented *backup strategy*, based on Windows 2000 backup;
- Migrated users and BDC from Windows NT4.0 domain to *Active Directory*;
- Installed necessary *system patches* and *updates*;
- Configured user computers.

EDUCATION

September 1990 - July 1997

SAINT-PETERSBURG STATE TECHNICAL UNIVERSITY

MS degree in Computer Science

Qualification: Systems Engineer

Specialization: computers, complexes, systems and networks

TRAINING/CERTIFICATION

Sun:

- Sun Solaris 8 Certified Systems Administrator

Microsoft:

- Microsoft Certified Systems Engineer (MCSE)

BrainBench, Inc. (public transcript #3845 at <http://www.brainbench.com/>):

- Master Unix Administration
- Master Linux Administration
- Master TCP/IP Administration
- Master Networking Concepts
- Master Internet Concepts
- Master Internet Technology Fundamentals
- Master Computer Technical Support
- Master Programmer/Analyst Aptitude
- Master PHP 4
- Master HTML 4.0
- LAN/WAN Communications
- Internet Security
- Windows XP Desktop Administration
- MySQL 3.23 Administration
- Bash Shell Scripting

OTHERS

- Can work both as a team player and with no supervision;

- Strong analytical and problem-solving skills;
- Excellent written and verbal communication skills.

REFERENCES

Available upon request.