

VLADISLAV GERGOV

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OBJECTIVE

I am a motivated self-starter seeking a position that will utilize and help advance my information technology skills. I would like to bring out my work ethic, teamwork, and leadership abilities as well as show my learning potential and passion in technology and open source.

SKILLS

Platforms:

- GNU/Linux: Debian, CentOS, OpenSuSE, RedHat, Ubuntu, Gentoo, and Slackware
- Unix: OpenBSD, FreeBSD, Solaris, and Cromix
- Microsoft: Windows 9X/NT/2000/XP/2003 Server and DOS

Networking:

- TCP/IP, BGP, OSPF, SMTP, IMAP, DNS, DHCP, NAT, NFS, HTTP

Hardware:

- 3PAR, Hitachi, EMC, Netapp, Foundry, Zeus, F5, Citrix Netscaler, Juniper, Cisco, Cyclades, Dell, HP, Supermicro, Sun, and Apple

Programming Languages:

- Scripting: bash, Perl, Python, Sed and Awk
- Web: XHTML, CSS, XML, Python, and PHP
- Source control: Subversion, Git, CVS, RCS
- SQL: MySQL
- Low level: C/C++, Pascal, VHDL, Fortran, M6800 Assembly

Expertise in:

- Linux kernel configuration and optimization
- Apache and lighttpd web servers
- Routing, Firewall, VPN, Quality of Service, and Traffic Shaping
- Data backup and disaster recovery strategies
- Hadoop/HBase cluster setup and administration
- Domain name servers
- Mail servers (Postfix, Zimbra)
- NFS/NIS server/client
- Linux/Windows integration via Samba as primary domain controller
- MySQL SQL server administration
- Squid and Varnish proxy servers
- Trend monitoring via Cacti, Ganglia, and rrdtool
- Server / Service health monitoring and alerting via Nagios
- Memcache cluster administration
- Various content management and wiki administration (MediaWiki, Trac, MoinMoin..)
- Linux HA (High Availability) implementation via heartbeat and DRBD
- Implementation and security of VPN networks using OpenVPN
- Build automation using CruiseControl.NET and nAnt scripting

Experience in:

- AutoCAD, CADKey, Catia, XILINX, Sigmatek LASAL, MiniTAB, MatLAB, Mathematica, SnapMaster & LabView Data Acquisition Software, ImageCraft ICC 11 Compiler, Pspice Circuit Simulation, Visual Studio, and Kdevelop
- Microsoft Office suite, OpenOffice.org suite, Adobe Photoshop, GIMP, and Dreamweaver
- Sendmail, Qmail, vsftpd, ProFTPD, mrtg, OpenSSH, NetSNMP, Horde, Snort, Aide, Nessus, Ethereal, phpMyAdmin, and Webalizer

EMPLOYMENT

System Administrator - Veoh Networks - California - (2006 – 2009)

- Part of core team responsible for data-center migration to Equinix in Los Angeles.
- Setup of our staging data-center in AIS San Diego ranging from hardware, cabling, OS, and services.
- Developed and deployed PXE system used to bring up new Linux hosts supporting 3 different distributions and various server roles.
- Connected and secured 2 off-site offices and 2 data-centers via OpenVPN and iptables.
- Implemented VMware QA cluster, with custom Linux kernel performance enhancements.
- Implemented and administered an EMC SAN used for our data warehouse system.
- Implemented cacti host monitoring and expanded our Nagios host monitoring.
- Configured and deployed a custom Linux kernel to support a diverse hardware environment.
- Implemented streamlined version of Apache and PHP for our front end needs.
- Setup and secured our primary and secondary mail servers.
- Load balancer setup and management (Pound, Zeus, f5, and Netscaler).
- Cisco switch setup, administration, and monitoring.
- Cyclades setup, administration, and monitoring.
- Setup and maintained various back-office services such as Subversion, MediaWiki, Bugzilla, and IRC.

System Administrator - SMS.ac - California - (2005 – 2006)

- Setup of websites memcached cluster.
- Part of core team responsible for data-center migration to Equinix in Los Angeles.
- Implemented server and services monitoring for our infrastructure.
- Implementing and teaching the use of a ticket tracking system (Trac).
- Implemented source control management system (Subversion).

- Implemented an automated build system using CruiseContro.NET and nAnt.

System Administrator - *iPro Innovative Processing – Michigan - (2005 - 2009)*

- Implemented network security for their document imaging infrastructure.
- Firewall, web server, and FTP server setup and maintenance.

System Administrator - *Arbormedia – Michigan - (2003 - 2004)*

- Server security for this on-line entertainment business.
- Maintained five co-located Linux servers in the US, Canada, and Europe.
- Managed primary and secondary domain name servers which hosted more than 100 domains.
- Managed apache virtual host configuration for all domains
- Managed MySQL servers.
- Provided support for web developers.
- Worked closely with owner to improve performance and redundancy of servers and web services.
- Researched and implemented google.com hacks/tricks to improve web site ranking.
- Implemented web site and server statistics via Webalizer/mrtg.

System Administrator - *MGV Enterprises - Michigan - (2001 - Present)*

- Designed entire office network.
- Configured, built, and maintained all office workstations and servers.
- Implemented an off-site data backup strategy.
- Designed, coded, and hosted the business web site.
- Offer technical support for all employees.

Electrical Engineer - *MGV Enterprises - Michigan - (2001 - Present)*

- Programming and installation of IntelliMold process controls into PC-104 embedded systems using Sigmatek LASAL.

Facility Manager - *MGV Investments – Michigan - (2001 - Present)*

- Solely responsible for the maintenance and improvements of a 12,000 ft² facility.

Systems Integrator & Project Development - *M&C Advanced Processes Inc - Michigan - (1997 - 2001)*

- Worked closely with the inventor of the intellectual property to grow a 4 employee company into a 25 employee, multi-million dollar corporation.
- Responsible for the production, implementation, and quality control of numerous PLCs (Programmable Logic Controllers) intended for injection molding machines using Data Acquisition software.

Co-founder of GCP Engineering - Michigan - (1995 - 1997)

- Responsible for planning, design, integration, setup, and repair of numerous computer hardware and software applications.
- Clients included Monroe Credit Bureau and AUBG University.

EDUCATION

Bachelor of Science - Electrical Engineering - University Of Michigan (1999-2004)

Projects:

- Worked with a talented team to develop a complete machine vision system for our professor as part of senior design course. The project involved the design of circuitry to control florescent, incandescent, and LED (Light Emitting Diodes) to produce a shadow of an object which was used for quality control purposes. The hardware design interfaced via digital to analog input/output controller to an embedded computer with a camera, which ran GNU/Linux, and had a web interface allowing the whole system to be controlled and monitored from any wired workstation outside the factory floor.
- Designed simple MANO Processor using Xilinx programmable logic design software.
- Coded a real time operating system for the Motorola HC11 micro-controller.

ORGANIZATIONS

ACM, Association for Computing Machinery (2000 - 2004)

- Network design and administration for the associations fund raiser [MPCon](#).
- Worked closely with president to organize all other aspects of the event like: building accommodations, power, and funding.

Institute of Electrical and Electronics Engineers (2001 - 2004)

- Member

Dearborn Campus Engineers (2003 - 2004)

- Trustee & Member

INTERESTS AND PROJECTS

- More than ten years of experience with installing, building, upgrading, and troubleshooting x86 based systems. In addition, setting up and administrating Windows/Unix based servers and networks.
- Designed and hand built a 6502 micro processor based computer.
- Translation of the [xbmc](#) open source project.

FOOTNOTES

References, transcripts, and projects available upon request; US Citizen; Fluent in English and Bulgarian; Partially fluent in Russian, Spanish, and German