Marius Voila

Curriculum Vitae

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"Computers are magnificent tools for the realization of our dreams, but no machine can replace the human spark of spirit, compassion, love, and understanding." – Louis Gerstner

Education

1996-1999	**High School**, „*Carol I*", Sibiu, Ro.

COURSES

December/2002	Oracle9i Database Administrator
April/2006	Vmware Infrastructure 3
May/2006	SUN Programmer
December/2006	MySQL 5 Cluster for High Availability
October/2012	CloudU
November/2012	Cloud Savvy
February/2013	Puppet Fundamentals for System Administrators
July/2013	OpenStack deployment

Experience

2012–Current   **Rackspace**, *Linux System Administrator*, London.

Responsible for the provision of services to top cloud customers with a focus on helping them achieve resilience and scalability through the use of the Rackspace Cloud API as well the design and implementation of high availability, disaster recovery, and automated deployment/configuration solutions.

My duties:
- Delivery of customer workshops and webinars ;
- Xen Hypervisor troubleshooting ;
- API/Infrastructure/OpenStack trainer;
- Solution design and implementation;
- DevOps Advisory - workshops on agile methodology and associated toolsets;
- Solution design involving OpenStack hybrid cloud deployments;
- Configuration Management(chef, salt, puppet) and Continuous Integration advisory and implementation;
- Assisting in technical management until operational stability has been reached ;
- Rackspace API support ;
- LAMP and LNMP stack support ;

2011–2012   **Fine Waters**, *Senior Systems Administrator*, Horsens.

Among my responsabilities Systems Administrator, I create backup solutions for, I maintain all serveres and offer support 24/7. My job implies porting solutions and maintaining configuration procedures while keeping system standards.

My duties:
- On call 24/7 ;
- Design and implementation of a daily backups and disaster recovery plan ;
- Source code control, archival, and implementation ;

- Technical support ;
- Puppet configuration management and madelon ;
- Zero touch drupal/wordpress deployment ;
- Implement and maintain Ubuntu Cloud ;
- Deploy and maintain Amazon/rackspace instances ;
- MySQL deployment/maintenance/backups ;
- Migration of SVN to Git ;
- Proving remote support to clients via remote console access/phone ;
- Advising on system automation and maintenance ;
- Implement and maintain Nginx server ;

2009–2010 **SC F.A.G S.R.L**, *Senior Systems Administrator*, Sibiu.
Member of 8 person system administration team responsible for farm of 25 servers in 2 locations running Linux/Microsoft. Installed and maintained several of F5's BigIP load balancers. Network and software troubleshooting and monitoring. Primary duties revolved around continued maintenance, monitoring, analysis.

My duties:
- On call 24/7 ;
- Design and implementation of a daily backup plan ;
- Source code control, archival, and implementation ;
- Implement Microsoft Exchange server ;
- MySQL deployment/maintenance ;
- Implemet GPS survey solutions ;

2008–2009 **Google Inc**, *Senior Systems Administrator*, L.A / Bucharest.
Cluster and scalable systems administrator for systems with multiple clients and usage patterns. Network and software troubleshooting and monitoring. Automation with shelli and python for myself and coworkers and via web interfaces for customers. Responsible for maintaining critical backend systems which power many Google products. Primary duties revolved around continued maintenance, monitoring, analysis, and improvement of multitenant clusters up to sizes of tens of thousands and many datacenters. Helped design capacity planning tools and documents to guide new bigtable users on performance and capacity planning. Worked with bigtable engineers on improvements such as monitoring, multitenancy, and backups.

My duties:
- On call 24/7 ;
- Maintain and develop the security infrastructure ;
- Design and implementation of a daily backup plan ;
- Source code control, archival, and implementation ;
- Technical support for in-house programmers ;
- Implement and maintain Ubuntu Cloud ;
- MySQL deployment/maintenance ;
- Oracle database snapshots and backups ;

2007–2008 **Unix Systems Administrator**, *IBM Internet Security Systems*, Sibiu.
Responsible for the implementation and day to day maintenance of a farm of Blade's servers that handled multiple tasks. This included maintenance of servers running the MySQL and Oracle databases.

My duties:
- Kerberos5 and S/KEY administration ;
- Design and implementation of a daily backup plan ;
- MySQL deployment/maintenance ;
- Oracle database snapshots and backups ;
- Implement and maintain Nginx server ;

2006–2007	**Network Operations Support Specialist**, *AscoNet*, Sibiu.

AscoNet is Sibiu's largest local internet provider with over 14,000 customers. Performed various system administration duties on several different operating systems including SunOS/Solaris, FreeBSD, and Linux.

My duties:
- Develop administration tools and procedures ;
- Internal technical support for other employees ;
- Monitor physical operation of all equipment, including servers and modem racks ;
- Setup and maintain the Apache and Nginx web server on several servers ;
- Implement and maintain security measures ;

2003–2006	**Systems Administrator**, *BSDi, Open Source Division*, Concord.

While working for BSDi (formerly Walnut Creek CDROM) I actively maintained all of the servers that handled web, mail, and FTP services for both the cdrom.com and freebsd.org domains. I implemented a secure Kerberos/NIS authentication scheme and developed a security policy including writing new firewall rules and limiting access to sensitive parts of the network. I also oversaw much of the purchasing and deployment of incoming hardware as well as acted as lead for a team of sysadmins.

My duties:
- Responsible for day to day management of a team of Jr Systems Administrators ;
- System Administration for main *.cdrom.com and *.freebsd.org servers ;
- Designed, implemented and remotely maintained entire network for BSDi's San Jose corporate office ;
- Responsible for network wide security ;
- Hardware acquisition and maintenance ;
- Staff member for FreeBSDCon '99 and BSDCon 2000 planning teams ;

2001–2002	**Systems Administrator**, *Swan Systems*, San Francisco.

Unix Administration and physical maintainence of large farm of FreeBSD, Linux and Solaris servers, including high-traffic Apache web servers and Oracle Database servers in a co-located data center environment. Installed and maintained several of F5's BigIP load balancers. Network design/deployment.

My duties:
- MySQL deployment/maintainence ;
- Maintain network-wide AMANDA backup system ;
- Implemented FreeBSD netinstall scheme ;
- Network design and security reviews ;
- Set up internal CVSup mirrors of FreeBSD and internal code for easy propagation ;
- Push new internal code releases to production servers ;
- Oracle database snapshots and backups ;
- Maintained central root password repository ;

2000–2001	**Junior Systems Administrator**, *EGL Networks*, Bothell.

Responsible for the implementation and day to day maintenance of a farm of Solaris servers that handled multiple tasks. This included maintenance of servers running the Sybase and Informix databases, Sun's Enterprise Manager, and Vertel's MD-IS software.

My duties:
- Daily maintenance of the main EGL web, FTP, DNS and mail servers ;
- Design and implementation of a daily backup plan ;
- Technical support for in-house programmers ;
- Maintenance of security policies throughout the network ;
- Source code control, archival, and implementation ;
- Hardware maintenance ;

Professional membership

- Member of the Association for Computing Machinery

- Member of the SIGKDD Special Interest Group
- Member of FSF Free Software Foundation
- Founder member of SbLUG Sibiu Linux User Group
- Member of the LOPSA, The League Of System Administrators
- Member of FSFE Free Software Foundation Europe

Computer skills

Languages:	MATLAB, C, C++, Pro*C, Oracle PL/SQL, SQL, Korn Shell, JCL, Perl, Bash, Expect	Packages:	MATLAB, Maple
Platforms:	UNIX, Linux, TSO/ISPF, IBM AIX, SunOS/Solaris, HP-UX (PH)	Databases:	MySQL, Sybase, MySQL Cluster, Oracle, DB2
Data:	Text categorization, Text clustering	Web mining:	Distributed web crawlers
Tools:	OpenOffice, SVN, Git, TEX (LATEX, BIBTEX), VIM		

Languages

Romanian	**Fluent**	*My native language*
English	**Fluent**	*Speaking, reading, writing*
Spanish	**Basic**	*Speaking*
Italy	**Basic**	*Speaking*
French	**Basic**	*Speaking, reading.*

Interests

Bicycling	My lifelong sport.
Inline Skating	A fun alternative to running.
Guitar	I've been playing for 10 years.
Photography	Digital photography is my newest hobby.

Social skills and competences

Team work	FSF Volunteer Prospective Member, Mentor at Google Summer of Code 2008,2009,2010, Word Wide Culture Project, Vice President of LOPSA (League Of System Administrators), Assistant Coach in Think Quest 2008 Competition, Board Member Sibiu Linux User Group, Staff member for FreeBSDCon '99 and BSDCon 2000 planning teams.
Intercultural skills	I lived in USA for 5 years. Also participated in the exchange program of FreeBSD Foundation for 3 months in Japan; FSF (Free Software Foundation) Volunteer.
Public speaking	I've held several presentation during my stage in FreeBSD Foundation, FSF, FSFE (Free Software Foundation Europe), SbLUG (Sibiu Linux User Group) organisation.