

Michael Grossmann

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Objective

A position as a Linux system administrator in a company where I can contribute with many years of hands-on experience and thorough knowledge of Linux- and Unix-based operating systems. I am holder of various relevant Linux and Unix certifications as well as titles showing professional expertise in related areas like databases and software development. Thus, I can provide the skills to pull together many different aspects of successfully operating complex and critical 24/7 environments.

Computer Skills & Certifications

Linux	Red Hat Certified Engineer (RHCE, Red Hat Enterprise Linux 4), Linux Professional Institute – Level 1 & 2 Certification (LPI), SAIR Linux Certified Administrator, Linux+ Certificate, SuSE, Debian, Mandrake (Mandriva), Gentoo
Unix	Sun (Solaris) Certified System/Network Administrator (SCSA & SCNA), HP-UX Certified Professional, AIX, FreeBSD, OpenBSD
Database	Oracle9i Certified Associate Database Administrator (OCA), MySQL Core & Professional Certification, Sybase Certified DBA Associate (Adaptive Server Enterprise)
Development	Zend Certified Engineer (ZCE, PHP), Perl, PHP, Java Shell (bash, ksh, tcsh), HTML, CSS, SQL, LaTeX, awk/sed
Applications	Apache, Tomcat, Nagios, Iptables, Shorewall, Samba, NIS, NFS, Autofs, Sendmail, Postfix, BIND/DNS, Squid, DHCPd
Other	Administration of Linux Cluster Systems using System Imager, Windows, Networking (TCP/IP), x86 Hardware, SEO, Arbor (Billing System), strong typing skills

Recent Professional Experience

Wily Technology/Computer Associates, Brisbane/South San Francisco, California

June 2006 – Present

- + system administrator for Linux and Solaris systems (webservers – Apache & Tomcat, mailservers, DNS servers, ...), mostly production systems, but also QA/testing
- + implementation of Nagios monitoring system, creation of scripts to automatically analyze and create corresponding Nagios configuration files
- + configured Red Hat kickstart server, Solaris jumpstart and System Imager
- + created automatic documentation generation system using custom scripts, ssh, cfg2html, rcs and Nagios to automatically create full HTML documentation of each server every day, storing older configurations using RCS
- + wrote backup scripts for specific directories and MySQL databases
- + Installation of several Red Hat Enterprise and SuSE systems, installation of new monitoring server (on Debian) as a virtual machine using VMware Player and QEMU

- + working with testing and development team to upgrade a Java forum web application, created custom scripts (bash & SQL) to migrate 2500 forum users
- + prepared multiple test instances (using Apache/Tomcat) of Java discussion forum software to prepare different environments for testing team
- + created scripts to automate the upgrade and migration of this Java discussion forum software
- + performance analysis of heavily loaded CVS server, identified memory and application problem
- + created a "SSH-tunnel-on-demand" solution for users coming from a lab accessing CVS (tools used are xinetd and ssh)
- + assisted colleague with administration issues of Sybase Database (Adaptive Server Enterprise)
- + created and improved Linux firewalls based on Iptables, later extended these firewalls by implementing Shorewall, also increased logging by using ULOG (logging to MySQL databases to facilitate analysis)
- + created (small) webapplication to enable certain users to create custom reports about the usage of a Java discussion forum (accessing MySQL database using bash and perl for xls file creation, PHP for web interface)
- + analyzing TCP/IP traffic using tcpdump and ethereal (wireshark) to identify all network traffic on certain servers and afterwards replace these servers
- + re-created several production web- and application servers in order to set these up at another location
- + assisted in server move (whole company moved) to another building, taking care of mission critical servers
- + set up new QA and production servers, added/replaced hardware components of x86 and Sun servers

Electronic Data Systems, Vienna, Austria

July 2000 – May 2006

- + system administrator for Linux and Unix systems in highly critical 24/7 environments
- + administration of production, testing and development Linux, HP-UX, Solaris and FreeBSD servers
- + supported distributed systems in accordance with SLAs to achieve consistent and reliable operations
- + responsible for performance tuning, capacity planning and forecasting and initiation of projects
- + troubleshooting of various hardware, software and operating system related problems
- + created effective automation scripts to streamline system administration tasks
- + provided 2nd level support and administration for approximately 200 Linux development/test workstations, also several HP-UX graphic workstations
- + designed, implemented and operated a flexible, distributed monitoring infrastructure for heterogeneous server systems and different databases using Nagios/NetSaint
- + created some customized plugins for Nagios monitoring tool, e.g. to enable monitoring a Sybase database and a billing system of a telecommunication company (Arbor)
- + programmed a web application (PHP) accessing a big (uncompressed about 1.5 TB) MySQL database to enable our telecommunications customer to generate itemized bills in PDF format (generated with LaTeX) within a few seconds, bash and Perl scripts used to convert data from Sybase to MySQL, created shell menu system to facilitate administration for colleagues
- + administered and improved highly critical webserver cluster system
- + advised on the design and implementation of a secure health care information system
- + performance tuning, reorganization, administration and design of large databases
- + development of concepts for new infrastructure designs and provided support for SLA proposals

DHL, Vienna, Austria

August 1998 - June 2000 (data entry)

- + creation of innovative data analysis tool to improve airway bill reporting (DOS/Pascal)
- + development of data entry database and tools for collection of airway bill data (MS Access)
- + substitutional data entry lead, entry, validation, analysis and reporting of data

Education

- + attended several university courses in Computer Science
- + graduated from high school with honors, special subject Computer Science