

David Magda

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Work Experience

January 2006–May 2011 [Autodesk Canada](#)
Systems Administrator

- Support global infrastructure of Solaris and Linux servers on Autodesk corporate Unix team
- Help in integrating Alias infrastructure into Autodesk environment including: web, SMTP, FTP, NFS, FC SAN (EMC to NetApp), Oracle, etc.
- Convert NIS servers from IRIX-based infrastructure to Linux-based infrastructure transparently
- Change mail routing from IMAP-based Unix infrastructure to Microsoft Exchange mail servers
- Support EMC NetWorker backup system and StorageTek tape library
- Remotely deploy and manage 200+ node HPC Linux rendering cluster
- Partake in rotating 24/7 on-call support

April 2005–January 2006 [Alias Systems](#) (acquired by Autodesk)
Infrastructure Systems Administrator

- Supervised mail servers and spam filtering appliance
- Helping in partial migration from a NIS-based authentication system to an OpenLDAP- and Samba-based domain model
- Helping users with technical problems on Linux, IRIX, and Mac OS X clients for development teams
- Investigate Nagios host and server monitoring alerts
- Secondary in responsibility for NetWorker backup system

November 2004–March 2005 [Rogers Cable Inc.](#)
Unix Administrator

- Ensuring 24/7 operation of mission critical Oracle databases and Sun ONE application servers
- Overseeing data integrity and proper running of backups via Veritas NetBackup
- Helped in upgrading SAN environment and installation of new EMC equipment
- Arrange a proper environment so that application development and testing can occur with minimal hassle
- Answering any questions that coworkers may have on Unix

May 2003–October 2004 [Mpathix Inc.](#)
Systems Engineering

- Rewrote and updated company online support centre and trouble ticket database using Perl, MySQL, and Apache
- Monitoring and maintaining of deployed systems
- Developing tools and scripts for system monitoring and maintenance
- Providing knowledge on the Sun Solaris operating environment

May 2001–August 2002 [Electrical and Computer Engineering Department](#)
Ryerson University
Electrical/Computer Specialist

- Assisted in managing over 300 Unix workstations & servers, and several dozen Microsoft Windows systems
- Primary individual in maintaining network cabling infrastructure
- Auditing the network for potential security issues and keeping abreast of security updates
- Upgrading core servers (DNS, Web, SMTP, IMAP, printer/LPR, DHCP) from Linux to FreeBSD 4.x
- Provided support to faculty, students and the Ryerson community
- Teaching assistant for two sections of a real-time operating systems course

Skills & Qualities

Proficient in administering and using Unix systems: Solaris (8, 9, 10), Linux, and FreeBSD

Proficient in several RFC protocols: SMTP (sendmail, postfix, mailman), IMAP (Courier, Dovecot), DNS, HTTP/Web, NFS, NIS/YP, LDAP, DHCP

Conversant with administrating Samba

Effective programming abilities in Perl, shell, C; can do code others

Acquainted with switching equipment (e.g., Cisco, Juniper)

Familiar with back administration (NetBackup, NetWorker)

Good at writing clear documentation

Team skills; able to work autonomously

Education

1997–2003 Ryerson University
Bachelor of Electrical Engineering (Computer Specialization)

Affiliations [USENIX](#)/SAGE — Full Member
 [IEEE](#) — Full Member

References Available on request.