

Richard Sipinski

An experienced and professional senior technology specialist with more than 10 years of experience in the Information Technology field, including extensive Linux/Solaris systems administration, application monitoring and maintenance, automation, and network operations.

Experience

University of Manitoba

2013–present **Systems Administrator.**

System administration and operations, covering a wide range of areas in a complex, multi-platform environment (Linux and Solaris primarily, but also Windows Server).

2012–2013 **Middleware Specialist.**

Administered and maintained web, application, and integration technologies.

2010–2012 **Unix/Linux Software Administrator.**

Installed and configured academic/research/support software on Linux and Unix systems.

2005–2010 **Support Analyst.**

Provided computer support for University IT services to students, staff, and faculty.

Provincial Government

2006 **Summer Student - Manitoba Education.**

Webmaster (converted existing websites to new government templates).

Education

2015 **BSc Computer Science**, *The University of Manitoba, Canada.*

2004–2005 **Student Abroad**, *Universität Trier, Germany.*

Extra Curricular

2012 CS Games Volunteer, Director of IT Support.

2009 UAV Team Member, competed in the Association for Unmanned Vehicle Systems International student competition in Washington, DC.

Technical Profile

- System operations and administration (Linux, Unix, Windows)
- System Automation (Puppet, CFEngine, scripting)
- Service Administration (email, mailing lists, calendaring, streaming media, authentication)
- Database Administration (Mysql, PostgreSQL, Oracle, MSSQL)
- Web/Application Servers (Tomcat, Oracle Fusion Middleware, Apache, nginx)
- Development (C/C++, Java, C#, Perl, python, bash, powershell)
- Networking Fundamentals

Accomplishments

- Deployed a Nagios monitoring system for over 300+ hosts and services
- Key involvement in the migration from an 38,000 user unix email system to Microsoft Exchange and Office 365.
 - Lead the client side effort in migrating 8,000 staff mailboxes to Exchange
 - Key role in the technical disassembly of an enterprise Unix mail system
- Migration and redesign of a medium sized web platform from Solaris to Linux
- Developed a University telephone directory application replacing the previous paper version
- Experience administering and maintaining a 3700+ core compute cluster
- Deployed a centralized linux virtual desktop environment for students, staff, and researchers

Technology Exposure

Programming

Intermediate C/C++, Java, Perl, C#, Unix Shell (bash/sh), Powershell
Basic Python, PHP, Objective C, LUA, PL/SQL, Ruby, ASP .NET

Web and Application Technologies

Webservers Apache, nginx, Lighttpd, Tomcat, IIS
Databases MySQL, PostgreSQL, MSSQL, Oracle

Networking

Protocols TCP/IP, DNS, DHCP, NFS, CIFS, PXE, SMTP, POP, IMAP, FTP, SSH, HTTP
Design Peripheral understanding of routing, subnetting, VLANs, SDNs

Systems Administration

Virtualization VMWare ESX, Solaris LDOMs and containers, KVM, OpenStack
Monitoring Nagios XI, Big Brother, Intermapper, Netdisco, SNMP
Storage RAID (hardware/software), SAN/NAS (Dell Compellent, NetApp, IBM, Oracle)
Software .msi/.rpm package creation, software compilation, software deployment
OS RHEL/CentOS 5/6/7, Solaris 9/10, Windows Server
Training ITIL Foundations v3, some RHSA/RHSE, Windows Server 2012, OpenStack Bootcamp I/II

High Performance Computing

Compute Cluster familiarity (GP 3792 core/16TB RAM/Lustre DFS/Infiniband interconnects)
Software Torque, Ganglia, MPI, OpenMP, Hadoop

Personal Characteristics

- Excellent written and verbal communication skills.
- Exceptionally organized. Well developed ability to prioritize, delegate, multitask, and work under pressure.
- Strong analytical and problem-solving skills.
- Highly self-motivated, self-directed, and results-oriented.
- Attention to detail, careful, considerate, enthusiastic, cooperative and pragmatic.
- Languages: English (native), French (Basic: french immersion from K-12), German (Basic)

Interests

Tech Linux, Open Source, electronics, all aspects of technology.
Miscellaneous Golfing, bowling, downhill skiing, boating, and travelling.

References

Available on request