

# Rob Hutten

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## Profile

Thirty years of experience supporting enterprise and HPC computing platforms in industry, government and academic environments, often in a team-lead role. Significant focus on virtualization, dataset management, software integration and automation. Extensive experience producing and presenting training courses, workshops and documentation. Excellent written and oral presentation skills.

## Skills

### System Administration:

- Operating Systems: Linux (Red Hat, CentOS, Ubuntu), Solaris, Windows
- Virtualization: VMWare (ESXi, vSphere, VEEAM). libvirt / KVM
- Storage: SAN, NAS, ZFS, LVM etc.
- HPC & distributed computing: ROCKS Cluster Distribution, Sun GridEngine, moab/maui schedulers, torque/PBS resource manager, InfiniBand management and troubleshooting
- Hardware: HP blade systems, Dell PowerEdge servers, Sun Microsystems
- Performance monitoring and tuning, security monitoring and hardening.

### Web administration, hosting and development:

- Apache HTTPD, JBOSS EAP, Wildfly, nginx
- LAMP stack (Linux/Apache/MySQL/PHP) development and support
- HTML, CSS and PHP authoring
- CMS / blogging platforms including WordPress, Movable Type, Trac, MediaWiki, tWiki etc.

### Programming / database:

- Excellent bash shell scripting skills
- Powershell and PowerCLI (VMware scripting)
- PHP / MySQL integration, SQLite3 & Oracle
- Extensive experience with data pipelining and application integration
- Platform support for development in Java, C/C++, python, perl and other languages

### Technical writing, presentation and training:

- Proven success in the production and presentation of training courses, workshops, technical documents and user guides
- Extensive experience with one-on-one instruction
- Excellent written and oral presentation skills

**Management / team leadership competencies:**

- Solid team leadership skills
- Experienced with general staffing procedures from job description development to the interview and selection process

**Work Experience****Eastlink Wireless**

Sept. 2013 – present: Systems Administrator

Administration and support of several hundred Linux and Windows virtual machines supporting 30+ application environments including Eastlink Mobile's billing platform. Hardware support for HP and Dell servers. Trained and mentored several new hires. Shared 24/7 on-call support rotation.

**Jackpine IT Services**

2013 - 2015: Owner / Principal

Consulted for Flagstone Management Services after their acquisition by Validus Re., providing systems administration and decommissioning.

**Flagstone Management Services**

Jan. 2008 - Jun. 2013: Senior HPC Systems Engineer

Responsible for administration and support of several Linux clusters including a 1024-core HPC cluster with infiniband interconnect and an lbrx parallel file system. Responsible for automated weather forecasting system and contributed code towards the same. Managed production, QA and development environments for in-house and third-party applications.

**National Research Council of Canada**

Oct. 2005 – Dec. 2007: Research Informatics Systems Administrator

Responsible for all aspects of UNIX system administration and support for CBR, a high-performance national research informatics environment which included a Sun Fire E20K, a small Linux cluster and various multipurpose UNIX servers.

Jan. 2004 – Sep. 2005: Operations Coordinator, Canadian Bioinformatics Resource

Responsible for operational support of CBR. Provided support to CBR's user community of over one thousand researchers. Provided guidance and technical support to a team of two systems administrators, two applications/database managers and a webmaster/graphic designer. Created, staffed and managed helpdesk service. Produced and presented a series of cross-Canada workshops aimed at providing researchers with relevant technical and bioinformatics skills. Wrote and/or edited virtually all of CBR's end-user documentation.

Nov. 1997 - Jan. 2004: UNIX System Administrator, Canadian Bioinformatics Resource

Provided Unix systems administration, maintenance, security and support for CBR. Responsible for system administration of a network of Unix systems. Produced and presented workshops, training courses, documentation etc. as described above.

## **Acadia University**

Sep. 1992 - Oct. 1997: Unix System Administrator

Provided operating system maintenance, administration, troubleshooting and emergency response for several academic and administrative platforms; software development, installation and support; user support and consulting, WWW, email, USENET and network administration; system security monitoring; support staff training.

## **Education and Training**

Bachelor Of Computer Science Program (incomplete). Acadia University, Wolfville N.S.  
1988 - 1992.

## **References**

Available upon request.