

## Michael J. Luther

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### Summary & Career Objective

Multi-faceted and passionate technologist with diverse skills in systems administration and network engineering with more than 15 years experience in the architecture, implementation, and administration of secure, high-performance, high availability Linux and Solaris systems. Seeking a challenging systems engineering and enterprise-class operations position with a progressive company that would allow me to utilize and enhance my technical skills.

### Technologies

- ❖ Red Hat Linux & Oracle/Sun Solaris Administration and Shell Scripting
- ❖ Extensive Sun sparc / x86, and Dell PowerEdge hardware support in an enterprise environment
- ❖ Cisco Firewall, Switch and Router configuration/administration
- ❖ Hitachi and Sun StorEdge SAN and NAS appliance support
- ❖ Veritas (Symantec) VXVM / VXFS / Cluster Server / VCFS / NetBackup Enterprise, ZFS
- ❖ BIND DNS, sendmail, SpamAssassin, clamAV, LDAP authentication, (G)PGP
- ❖ Apache, Tomcat, PHP, CVS/Subversion, MySQL, Samba, and NFS support.

### Professional Experience

2004 - pres. Ithaca Harbors, Inc. / JSTOR, Inc. / Princeton University, Princeton, NJ

#### *Senior Unix Systems Engineer*

Senior Unix Systems Engineer and technical lead in a team of 8 Engineers and DBAs, working to provide 24/7 Enterprise Systems support for several not-for profit organizations within academia including JSTOR, ARTstor, Aluka, Portico and the Andrew Mellon Foundation.

- Deploy and administrate a diverse array of 500+ RedHat Linux and Solaris Sparc/x86 systems spread across 10 offices and collocation facilities including an international presence
- Design and implement large scale hardware deployment mechanism utilizing Solaris Jumpstart, Redhat Kickstart, hand tailored RPM based software distributions, and custom Shell Scripting for automation and standardization of new system builds.
- Utilize ssh-keys and advanced shell scripting to create large scale systems administration tool for deploying new software, firmware updates, administrative changes, etc simultaneously to hundreds of systems in a verifiable fashion.
- Implement and maintain robust view-based BIND DNS solution with Active Directory integration to uniformly handle domain resolution for internal networks and public facing domains.
- Assist in management of Multiple 100+ Terabyte Storage Area Networks utilizing Cisco Fiber Switches, Hitachi AMS/WMS, Sun StorEdge 3510/3511 Storage Arrays. Leveraging Veritas VXVM, Sun DiskSuite and ZFS
- Responsible for management of multiple large scale Veritas Netbackup Enterprise 5.x-7.x installations encompassing onsite and offsite archival of >100Tb of data utilizing both SAN disk and tape library based backup strategies.
- Provided end to end operations management of collocated servers, including capacity planning, power + cooling, monitoring, facilities interaction, systems racking and cabling.

2000 - 2004    InfoRocket.com Inc./ LiveAdvice.com, New York, NY

***Director of Web Operations***

Lead network architect and systems administrator for \$27M startup venture in the information exchange space. Designed, built, and administered high-availability network for dynamic content delivery in an enterprise-class web hosting environment.

- Migrated InfoRocket hosting environment from ~10-server Linux (RedHat) farm to ~30-server Solaris farm, retaining some low cost Linux systems for DNS and mail services.
- Performed system administration and integration utilizing high-performance Sun Microsystems, SGI, and EMC<sup>2</sup> hardware with Veritas Volume/Cluster management
- Implemented fully redundant corporate LAN/WAN and co-located production Webserver cluster utilizing Cisco PIX Firewalls, Cisco 2600 Series Routers and Cisco/Arrowpoint Content Smart Switches
- Designed and implemented corporate home office LAN/WAN strategies including TCP/IP routing, DNS/DHCP services, Samba filesharing and CAT5/6 Ethernet/Patch Panel wiring.
- Ensured 24/7 operation of Apache web server cluster utilized by 1.2 Million registered users.
- Planned and executed a full scale site migration from a collocation facility in New York, NY to a facility in Newark, NJ. Production web services incurred less than 2 hours of downtime during this migration.
- Coordinated with major telephony carriers Verizon and Qwest to maintain 24/7 operation of 20+ mission-critical Voice and IP Private Line T1 Circuits.
- Utilized Perl, PHP and SQL to automate and simplify administration tasks, report generation and end-user email delivery.

1998 - 2000    Strategic Network Designs, Clarke, NJ

***Network Engineer, Strategic Network Designs, Internal Headquarters***

- Performed NT Server/Novell 3.11/RedHat Linux System Administration and Support for Corporate Home Office striving to reduce system down time and increase client (end user) satisfaction.
- Administered Microsoft Exchange Server and supported user base of 100+
- Took Possession of Data Center Operations and System Monitoring responsibilities.
- Provided QA Testing of all SND Custom Developed software.
- Fulfilled outsourcing Project Based Engineering and Administration Support needs.
- Supported user base for all their Network and PBX system needs.

***Network Administrator, Bristol-Myers Squibb Pharmaceuticals***

- Performed Novell Netware 4.11 / Windows NT System Administration supporting 5000+ LAN/WAN and Dialup users.
- Automated Tasks reducing time consumption through development of VisualBasic and QuickBasic Programs.
- Provided third tier support as escalation contact to help desk.
- Developed and provided Quality Assurance for method of software distribution to over 5000 clients.

1996-1998     Cornet International Ltd, Stroudsburg, PA

***Helpdesk Client Contact***

- Performed as technical liaison between Client and Helpdesk Staff concerning Policies and Technical Issues.
- Traveled to client locations providing onsite Technical Support, Hardware Repair, and End-User Training.
- Help Desk Analyst: Supported via telephone 4000+ client sales representatives on Technical and Application issues.
- Produced HTML scripting and technical writing of procedure / analyst training manuals.
- GUI Development: Application development and quality assurance testing using Visual Basic 4.0, and Visual C++ Tools.

8/96 - 12/96     University of Pittsburgh Medical Center, Pittsburgh PA

***Technical Analyst / System Administrator, Radiology Department Computer Support***

- Administered Novell Netware 3.11 Cross Platform (PC/Macintosh) Wide Area Network.
- Maintained all network hardware including computers, hubs, routers, and cabling.
- Provided Technical Support and Customer Computer Service to 250+ UPMC Radiology Network Users.

8/95 - 8/96     University of Pittsburgh, Pittsburgh PA

***Assistant Lab Supervisor, Hillman Computer Lab, Computing and Information Services***

- Performed Face to Face Technical support of a broad application base on PC, Macintosh, and Unix Platforms.
- Provided PC / Macintosh Hardware repair and upgrading, Digital LPS32 PrintServer repair and maintenance.

8/94 - 8/95     Altoona Hospital, Altoona PA

***Technical Consultant / Network Coordinator, Glover Memorial Library,***

- Maintenance of point-to-point intranet, Administration of Online Card Catalogue, and Medical Databases.
- Installation, Troubleshooting, and System Configuration of PC hardware and software.
- Implementation of Data Backup and System Fault Tolerance procedures.

**Other Endeavors**

- ❖ 2007-present: Founding investor and board of directors member, Faire Play Inc
- ❖ 2000-present: Volunteer systems administrator, Psylicon.net
- ❖ 2005-2007: Alliance LARP Rules Committee chairman and rulebook editor
- ❖ 2009-present: 5<sup>th</sup> Kyu martial artist, Sil Lum Kung Fu, East Brunswick NJ