

Mike MacLeod

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PROFILE

I'm a system administrator and analyst with extensive Unix and Linux experience. An energetic team player that enjoys finding novel and elegant solutions to problems, I'm comfortable working at all levels of the stack - from networking through application delivery. I'm looking for a challenging and engaging environment where I can put my broad knowledge to use.

TECHNICAL SKILLS

GNU/Linux, Solaris, and FreeBSD
Juniper SRX and NetScreen
Cisco UCS and HP Bladecenters
VMWare and Xen
Cisco ACE and F5 BigIP
IPv6 with F5, Linux, and FreeBSD

SIP and MGCP
BIND, Tomcat, Apache and Nginx
Broadsoft M6 and Asterisk VoIP
ActiveMQ and RabbitMQ
MySQL and TimesTen
Java, Perl, and shell scripting

WORK EXPERIENCE

Systems Analyst, Infrastructure, Primus Telecommunications Canada

Toronto, Ontario - December 2012 - Present

- Deployed new Cisco UCS based cluster to replace existing VMWare 4 based private cloud. Responsibilities included network design (layers 1 through 3), creating security policies, deployment and configuration of VMWare ESXi and vCenter (including Cisco UCS integration), and migration planning.
- Designed and deployed new POP to support Broadworks VoIP platform using Cisco UCS with VMWare ESX 5.5 and bare metal installations. Handled network design and deployment of supporting services (DNS, LDAP, etc). Site served as template for deployments of other POPs throughout country.
- Operational lead of legacy customer portal infrastructure, including maintenance and deployment of new code to existing weblogic servers, replacing apache with nginx proxies for security reasons, and transition to serving much of the content statically.
- Built and deployed new services to enable a new cloud platform, including ActiveMQ and RabbitMQ.
- Handled technical challenges presented by the dis-integration of business units sold to another company.
- Technical lead for migration of inbound mail away from Postini.
- Wrote and updated puppet modules for new service deployments.
- Documented all new platforms and services deployed, as well as creating new documentation for old networks and platforms that were lacking proper documentation.

Linux System Administrator, Hostopia Inc.

Mississauga, Ontario - September 2011 - December 2012

- Responsible for load balancing infrastructure in three different cities.
- Took a lead in rolling out IPv6 across the network.
- Consolidated and cleaned up legacy and bloated ACE configurations.
- Deployed new F5 BigIPs to three locations in two cities.
- Extended and improved service monitoring from ACE and BigIP, increasing visibility into the network.
- Designed weblogging infrastructure utilizing the BigIP and Syslog-NG.
- Migrated customers and services from Cisco Local Director to Cisco ACE.
- Made extensive use of scripting and databases to successfully complete previously attempted migrations of customers and services.
- Built and deployed new system to allow abuse team to dynamically manage IP addresses and volumes on them for mail relay.
- Wrote documentation and best practices for load balancing infrastructure.

VoIP Platform Specialist, Accelerated Connections Inc.

Toronto, Ontario - January 2011 - August 2011

- Led the voice services team.
- Developed and deployed SIP Trunking as a general product.
- Responsible for system maintenance and upgrades.
- Diagnosed network and call flow errors.
- Assisted in creating and modifying processes to improve workflow.
- Interacted with current and prospective clients in a technical capacity.

Systems Analyst, VoIP, Primus Telecommunications Canada

Toronto, Ontario - February 2008 - December 2010

- Developed and executed plans for migrating customers between platforms.
- Developed tools to assist other departments with troubleshooting and problem resolution, utilizing MySQL, PHP, and SOAP.
- Assisted in the design and development of Broadworks based VoIP platform.
- Built, maintained, and migrated several Genband M6 VoIP platforms.
- Built and maintained wholesale SIP platforms built with Genband S3s. Troubleshot wholesale customer issues.
- Built asterisk based VoIP platform to allow remote tech support agents to troubleshoot multiple platforms and carriers.
- Created automated toolset for maintaining local calling areas for national VoIP platform utilizing MySQL, SOAP, and Java.

References available on request.