

Resume for Phillip Moore

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About Me: An experienced systems architect, web operations engineer, linux systems engineer, and hands on leader. Significant experience in extremely large scale deployments, automation, metrics, agile methods, and continuous deployments. Interested in large scale deployments, infrastructure as code, finding useful application metrics, and automation.

Specialties: Very large scale and high traffic production engineering. Programming for automation, monitoring, and general systems engineering. Web application development in Ruby, Perl and PHP with Linux, Nginx, Apache, and Mysql (LAMP). Programming in Ruby, Perl, PHP, Shell scripting. Capable with C, C++, SQL, Javascript and some Python.

Experience Highlights

Rackspace

Linux Systems Engineer - Cloud Servers
April 2013 - Present

- Using my very large scale systems experience to scale the public Rackspace OpenStack compute cloud.
- Automating deployments of existing applications and developing strategies for new applications
- Responsible for Graphite and Elastic Search/Logstash/Kibana (ELK) scaling and operation
- Work with teams to create new metrics to aid in analysis of system performance and real user performance.

HomeAway Inc.

Linux Systems Architect / DevOps Manager
2012 - March 2013

- Developed Amazon Web Services cloud strategy
- Developed A/B deployment strategy
- Manage a small team of DevOps engineers
- Introduced Agile concepts and Kanban
- Formalized work processes for tracking and planning

Flickr a Yahoo! Company

Senior Systems Engineer / Service Engineer
2010 - 2012

- Responsible for production operations of Flickr
- Deployment and tuning of nginx, Squid, Apache, MySQL, Redis, memcache and other services
- Manage MySQL databases - slaving, sharding, recovery, and performance
- Operational automation and standardization of installations
- Continuous growth and capacity planning
- Monitoring and Metrics with Nagios and Ganglia

Yahoo! Corporation

Senior Systems Engineer / Senior Production Engineer for Search
2003 - 2010

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- Manage over 100 thousand Linux servers in a large scale clustered 24/7 production environment
- Responsible for all aspects of server management and production software from hardware turn over to the customer facing service in a revenue generating and business critical production environment
- Developed systems to automate full host lifecycle allowing a host to go from production, fault, repair, verification, and back to production without systems engineer intervention
- Monitor, respond, repair, and maintain services to protect revenue and maintain a quality user experience
- Author and maintain a large library of custom Perl modules for Linux install automation system, custom configuration management, and most other infrastructure systems
- Design and build software to monitor, maintain, and distribute software to thousands of servers with terabytes of data
- Build supporting framework glue to combine disparate products into a production service
- Represent production interests in product design meetings to ensure product performance, availability, scalability, and security
- Business continuity planning (BCP)

Inktomi

Systems Engineer / Cluster Administrator

1999-2003

- Managed large clusters that powered web search and crawling
- Wrote tools and libraries for system monitoring, automation, deployments, and configuration management
- Developed proof of concept system that directly resulted in a partnership with Amazon for Inktomi Paid Inclusion system
- Responsible for running the web crawling system and writing infrastructure to support it
- Built software for distributing gigabytes of software and data to thousands of servers with extreme speed using a binary tree expansion with rsync
- Migrated from Solaris to Linux based infrastructure

Supernews Inc / Remarq

Senior Unix Systems Administrator

1998 - 1999

- Managed over 100 Solaris x86 and Sun Enterprise servers supporting high traffic web based product
- Built out datacenter in co-location facility from ground up and managed its operation
- Wrote software release infrastructure and change control systems in Perl
- Handled evaluation and purchase of hardware systems
- News administration of Typhoon servers for use in conjunction with web service
- Managed DNS and mail servers for corporate and 'free e-mail' system
- Directly managed several contractors
- Provided 24/7 on-call support

3Com Corporation

Systems Administrator

1997 - 1998

- Lead migration of over 700 workstations from SunOS to Solaris in an engineering development environment
- Administration of DNS, NIS, HTTP, NNTP, FTP, and SMTP (sendmail)
- Management of email (sendmail) system for 14,000+ users

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- Firewall management
- Database administration and programming
- Lead effort to get internal groups to utilize the intranet web for increased productivity and collaboration

Internet Doorway

Systems Administrator

1995 - 1996

- Built from ground up Mississippi's first state wide ISP
- Setup statewide network of PoPs to service customers
- Setup all services for new ISP: Web, FTP, DNS, NNTP news server, sendmail for SMTP
- Developed custom applications in Perl for both internal and external customer use
- Provided customer support to customers
- Built company website

Qualifications

- Operating Systems: Administration of Linux (Redhat/Centos , Debian), Sun Solaris, Apple Mac OS X. Some Microsoft Windows.
- Networking: I can design, diagnose and debug complex networking systems and issues (TCP/IP, UDP) with tools such as tcpdump and work closely and competently with network engineers.
- Programming: Proficient with Ruby, Perl, PHP, Javascript, CGI, Shell scripting. Capable with C, C++, SQL, and Java. Able to pick up new languages as needed very easily.
- Revision Control: Github, Perforce, CVS, Subversion, and RCS
- Hardware: Sun, Intel and AMD Servers, Network Appliance, 3ware RAID. Able to diagnose issues with hardware and perform or direct corrective action. Have setup internal RAID controllers, direct attached RAID controllers, and network attached storage (NAS).
- Database: MySQL and SQLite
- High-capacity and high-availability web server architecture and programming with Apache and farms of servers including the use of hardware and software load-balancing solutions
- Extensive experience developing web based applications with Ruby, Perl, CGI, and PHP with MySQL backend (LAMP) that are W3C compliant with HTML and CSS. Use of REST, XML+RPC, SOAP, and Yahoo User Interface Library (YUI)
- Experience managing complex projects and delegating tasks to others
- Productivity Software: Microsoft Office, Excel, Word, PowerPoint, Visio, OmniGraffle
- Web Related: Extensive experience in Adobe Photoshop, Lightroom, MovableType, Joomla, Wordpress. Some familiarity with Adobe Flash. Experience designing W3C compliant websites with HTML CSS

Education

Mississippi State University:

Completed 4 years of university coursework towards a BS degree in Computer Engineering with an emphasis in Programming and Computer Architecture.