

Contact

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Top Skills

Red Hat Enterprise Linux (RHEL)

Linux

Ansible

Certifications

CKA: Certified Kubernetes
Administrator

Mike Farrell

Experienced IT Professional
Akron, Ohio, United States

Summary

Infrastructure Engineering

Specialties: Team Lead, Infrastructure as Code, OpenStack, KVM, RHEL, Rocky Linux, CentOS, Ansible, Puppet, Foreman, podman, git, DNS, HP-UX, HTML, IBM, LDAP, Linux, Microsoft C#, Microsoft Windows, NFS, Perl, Python, Project Management, Project Planning, Routers, Samba, Server consolidation, Shell Scripting, SMTP, SNMP, Solaris, ssh, SSL, switches, System Administration, TCP/IP, Technical Support, Workflow Analysis, SAN, DRBD, Kerberos, SSSD, haproxy, FreeSWITCH, openswan, salt stack, mrepo, xwiki, Jenkins, Docker, Kubernetes Ceph

Experience

IBM

7 years 2 months

CI/CD Team Lead for APIConnect

April 2022 - May 2023 (1 year 2 months)

Greater Cleveland

- Organize work/run scrum to maintain/upgrade CI/CD pipelines primarily running on Jenkins
- Manage incidents with Jenkins pipelines
- Automate scanning of docker images to meet security initiatives on IBM Cloud

Infrastructure Engineering Team Lead

January 2020 - March 2022 (2 years 3 months)

Cleveland, Ohio, United States

- Organize day to day work for Infrastructure Engineering team
- Automate RHEL clone patching to meet security initiatives
- Deploy multiple Openstack clouds using Openstack-ansible
- Lead Openstack/data center footprint consolidation project
- Automate deployment of physical servers
- Lead iDM/FreelIPA virtual to physical replacement project

- Mentor junior staff

DevOps Engineer

April 2016 - December 2019 (3 years 9 months)

Cleveland/Akron, Ohio Area

- Automate application and RHEL clone configuration management and infrastructure as code via Foreman, Puppet, and Ansible
- Automate the installation and upgrade of OpenStack
- Performed FreeIPA/iDM performance enhancements/upgrades

Safeguard Properties

Sr. Linux/Unix Engineer

May 2013 - April 2016 (3 years)

Brooklyn Heights, OH

- Participant in standing up two, net-new data centers
- Participant in moving multiple Linux applications to new data centers
- Participant in standing up multiple Oracle RAC environments on HP Proliant, Cisco UCS, EMC Symmetric, and ExtremelIO storage
- Designed and implemented Autofs strategy to serve up hundreds of millions of images
- Designed and Implemented a gated patch process for Linux Systems
Implemented DRBD and DRBD proxy on FusionIO storage for primary company application
- Designed FreeIPA/iDM pilot project

Revol Wireless

3 years 3 months

IT Operations Manager

November 2011 - April 2013 (1 year 6 months)

Independence, OH

- Managed Linux and VMware operations team
- Managed storage consolidation project (Local, iSCSI) to Netapp NFS, CIFS
- Managed backup consolidation project featuring Netapp Snapmirror and Snapvault
- Implemented Nomachine/FreeNX virtual Linux desktop
- Implemented Sftp file-sharing site for business users and vendors

Unix/Linux Systems Administrator

February 2010 - November 2011 (1 year 10 months)

Independence, OH

- Participated in PCI compliance project of Linux systems

- Implemented Kerberos/LDAP/Active Directory authentication/authorization for RHEL 5 and RHEL 6-based systems
- Implemented gated patch process for Linux Systems
- Participated in Xen to VMware conversion
- Participated in Oracle 9i Solaris based to Oracle Enterprise Linux based 11g conversion project
- Implemented SNMP based OpenNMS to monitor and alarm for net-snmp-based thresholds, SNMP Informant for Windows, SNMP traps, Dell OMSA, FusionIO, Layer 7 - page sequence monitoring, Syslog regex
- Implemented Kickstart/Pxeboot to build patched machines
- Implemented Kerberos/AD/Samba file sharing to simply access for business users and web developers content sharing
- Supported LAMP-based applications

Advanced Elastomer Systems / ExxonMobil

COMSYS Consultant

June 2003 - December 2009 (6 years 7 months)

- Global environment coordinator for MFGPro (HP-UX) and Infor CRM(Wintel); coordinate code migration from test environment to production, perform application maintenance/break-fix
- Develop a disaster recovery plan and perform disaster recovery tests for Domino and MFG/Pro
- Develop email migration application to migrate users' mail (including encrypted mail), archive, and personal address book to the parent company's organization/domain.
- Perform second/third level support for Lotus Notes clients and Lotus Domino servers in a global environment
- Develop audit trail for Domino Directory changes with workflow approval
- Architect qmail/Solaris anti-spam solution
- Architect Campaign Management for Email solution
- Implement ID recovery and password expiration on existing Lotus Notes IDs
- Maintain Mailsweeper for SMTP including software upgrades, content filtering rules, and antivirus upgrade
- Environment coordinator for Lotus Notes/Domino development; maintain development environment, coordinate template movement from development to production

Howmet Castings

Self-Employed Consultant

May 2002 - February 2003 (10 months)

- Architect and implement Domino server consolidation
- Perform second/third level support for Lotus Domino servers in a global environment
- Consolidate Domino domains and organizations
- Assist Lotus Domino developers with application tuning
- Design and implement a clustered QuickPlace environment
- Implement Sametime server

marchFIRST/divine Inc

Senior Consultant

July 2000 - May 2002 (1 year 11 months)

- Architect Lotus Domino R4 to R5 migrations, create project plans for the migration of email and application servers
- Perform Lotus Domino R4 and R5 systems administration
- Perform Lotus Sametime and Quickplace installations/administration
- Develop applications to automate system administration tasks

Progressive Auto Insurance

Application Systems Analyst/Programmer IV

January 2000 - July 2000 (7 months)

- Member of the system administration team
- Design/implement Domino server test lab, new product testing
- Server maintenance including Domino server software upgrades, server sizing, problem analysis, and resolution
- Utilize LotusScript for resource analysis

New Boston System

Staff Consultant

July 1999 - January 2000 (7 months)

- Provide Lotus Domino Server support in a team environment for 50+ Domino servers including mail, application, and web servers.
- Developed applications/agents utilizing LotusScript, @formulas for project/server resource management.
- Setup and administer Y2K application test environment.
- Phase out Pass-Thru for PPP/DUN, wrote a script to create location/connection documents in user's PAB for multiple client versions

Fluor Corporation

Technical Lead

May 1999 - July 1999 (3 months)

Greenville-Spartanburg-Anderson, South Carolina Area

- Lotus Notes support for 18,000 user migration; Provided technical support and training for second-level support engineers
- Management duties included project monitoring, problem resolution among engineers, reports, and statistics

Kellogg Company

Technical Lead

October 1998 - April 1999 (7 months)

Battle Creek, Michigan, United States

- North American Technical Lead on Global Email Upgrade Project for Kellogg Company
- Performed seven remote plant migrations
- Provided technical support and training for local and remote deployment engineers
- Performed Documentation maintenance
- Lotus Domino administration including; ID creation from file/single, assigning quotas, cut over from ccmil to Lotus Notes, server specification/verification, troubleshooting server level issues
- Lotus Notes 4.6 application development; create agents/views for project management and global technical lead using @formulas and LotusScript

RCF Information Systems

Systems Software Specialist

April 1996 - October 1998 (2 years 7 months)

Battle Creek, Michigan, United States

- Site Lead for MISTS II contract for the USAF Cataloging and Standardization Center; Provided systems administration of Lotus Domino, Sun Solaris, Novell Netware 3.x and IntranetWare, Netscape Enterprise Server
- Lotus Domino development including web-based applications
- TCP/IP administration including DNS, DHCP and NFS
- Sun Solaris 2.X administration including installation, upgrades, patches, security, disk management, and application software installation
- Sun hardware administration including memory, cpu board upgrades, and SPARC arrays
- LAN hardware administration/maintenance including remote access, hubs, switches, routers, CD-ROM jukebox, and servers (x86 and SPARC); Member of review board for enterprise hardware/software purchases
- Management duties including interviewing, customer relations, and employee appraisals

John G. Cleminshaw Inc
Programmer / Analyst
May 1993 - April 1996 (3 years)
Hudson, Ohio, United States

- Worked with a development team in the design and implementation of a real estate assessment system
- Developed data migration functions
- Performed analysis and design of settlement/distribution in county tax billing system
- Performed network administration functions including file server maintenance, new software installation, workstation hardware maintenance/upgrades
- Performed end-user technical support

Education

Baldwin-Wallace College
Bachelor of Science, Computer Information Science · (1991 - 1994)