**Professional Summary**

* Over 8 years of IT experience specialized in UNIX System Administration working on server-based operating system; kernel configurations on Redhat Linux, CentOS, SUSE, Debian 7, Ubuntu 12.x/13.x in a DevOps Environment with CI/CD as a Iterative process.
* Networking, kernel Parameter & Tuning, Trouble Shooting System & Performance Issues, Package Management (YUM/RPM), Patch Management and Development Operations.
* Experience in implementation and maintenance of VMware, DNS, DHCP, NIS, NFS, SMTP and Amazon Linux instances.
* Experience in cloud connected devices systems, distributed applications and databases using Java, Scala, Apache Tomcat, Netty, Hazelcast, Cassandra or any other NoSQL, RDBMS.
* Extensive experience in architect and develop multi-tier .NET solutions, client\server architecture and cloud-first applications on Windows Azure, on-prem, Agile and lean methodologies.
* Virtual/Cloud Environment technologies (e.g. VMWare, OpenStack, CloudStack, Amazon AWS: EC2, RDS, Route53, S3)
* Experience with PHP, Perl, Python and Ruby, mySQL, Cloudstack, Openstack, configuration management (Puppet, Ansible).
* Good knowledge on Cliqr.
* Experience in deploying Hadoop cluster on Public and Private Cloud Environment like Amazon AWS, RackSpace and OpenStack
* Experienced with AWS EC2, Route53 DNS, ELB, EBS, AMI, VPC, Cloud Formation Templates, Cloud Watch Monitoring.
* Experienced in Setting up Chef Server/Workstation and Bootstrapping Nodes. Wrote Wrapper cookbooks, recipes and utilized community cookbooks as well. Performed testing with Kitchen and Unit Testing.
* Proficient in Linux Utilities: KICKSTART, SSH, FTP, AUTOFS, Quota Management, wrappers, User Management, Process Management, Memory Management, and Text processing tools, Log Management, Package Management, Disk Management and Swap Partition/Files Management.
* Installed Puppet Master, Agent, Managed Puppet DB, Apache with Passenger & MCollaborative for Orchestration. Wrote Modules and Manifests manually and used Puppet Forge to download Modules as well.
* Experience with Apache/Tomcat, Load Balancer (Apache) and expertise in making configuration changes.
* Expertise in writing Shell Scripting using Ksh/Csh/bash and Perl to ease administration tasks.
* Experience in Installing, configuring and maintaining apache/tomcat, send mail, and Jboss Application Servers.
* Experience at DevOps Engineering in automating, building, deploying, and releasing of code from one environment to other environment.
* Experienced with continuous integration, continuous delivery, continuous deployment and continuous monitoring.
* Knowledge in load balancing and setting up load balancer and firewall rules in and enterprise environment
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker.
* Hands on experience in building and deploying web services, apps using Windows Azure and AWS from building a web service to migrating backend systems from legacy on premise SQL servers to SQL Azure and AWS
* Built web tools and dashboards with Python, flask and mongodb.
* Deployed Java applications/Web-services using CI/CD tools like Jenkins, Cruise Control and Chef in standalone and clustered environments.
* Experience in Installation, Configuration, Implementation, up-gradation, Maintenance and Creating and maintaining user accounts, profiles, security, rights, disk space and process monitoring.
* Configured Networking Concepts DNS, NIS, NFS and DHCP, troubleshooting network problems such as TCP/IP, providing support for users in solving their problems.
* Capacity planning & Performance Analysis, Uptime & Response time analysis. Expertise implementation and maintenance of NFS, & Apache SMTP.
* Setup code repositories Like GIT, SVN, Visual SVN, Tortoise SVN and managed plugins for Jenkins for scheduled automatic checkout of code.
* Administering Storage Foundation Cluster File System and its components.
* Efficiency in installing, configuring and implementing the RAID Technologies using various tools like VxVM, SVM and LVM.
* Managed web Proxy and Internet access services on carve ins and carve outs.
* Installed, Configured, Managed Monitoring Tools such as Splunk, Nagios, iCinga for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Troubleshooting network problems such as TCP/IP, providing support for users in solving their problems.
* Good presentation, customer support and trouble shooting skills & experience in providing 24x7 supports.

**PROFESSIONAL EXPERIANCE**

**American Express, New York**

**DevOps Engineer**

**Duration: Nov 2014 – Present**

**Responsibilities:**

* Involved in creating the company's DevOps strategy in a mix environment of Linux (RHEL, Ubuntu) servers along with creating and implementing a cloud strategy based on Amazon Web Services.
* Responsibilities include developing complex build, test, provision, secure and deployment systems and providing support to a large community of developers and testers.
* Worked on Branching and Merging, Resolving Branching Strategy maintaining Branching strategy using GIT.
* Manage Linux servers to support the web Proxies.
* Implemented Business rules with Rundeck.
* Responsible for managing infrastructure provisioning (S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VCP, NAT) and deployment via Scalr and EC2 Installs with CentOS, Ubuntu and RHEL 6 and Scientific Linux.
* Develop scalable build, test and deployment systems in virtualized environments and Conduct DevOps Process Planning.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
* Responsible for design and maintenance of the Subversion/GIT, Stash Repositories, views, and the access control strategies.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in S3
* Worked on setting up the life cycle policies to back the data from AWS S3 to AWS Glacier
* Worked with Amazon IAM console to create custom users and groups
* Worked with various AWS EC2 and S3 CLI tools
* Setting up Chef Infra, Bootstrapping nodes, creating and uploading recipes, node convergence in Chef SCM
* Setting up the chef repo, chef work stations and chef nodes
* Working with data bags, attributes, cookbooks, recipes and templates in Chef
* Researched and implemented code coverage and unit test plug-ins like FindBugs, Checkstyle and PMD with Maven/Hudson.
* Worked with development team to migrate Ant scripts to Maven.
* Jenkins is used as a continuous integration tool for automation of daily process.
* Managed HPC cluster, performed hardware, BIOS and application upgrade.
* Installed hardware, installed RHEL 3.0 OS and configured required network on 25-Node HPC cluster.
* Used standard Python modules e.g. csv, robot parser, Backbone, pickle for development
* Setting up the virtual private cloud network in Amazon Web Service (AWS).
* Auto scaling the Amazon Web Service (AWS) Depending upon the requirement.
* Lead configuration management and workflow development efforts for the development team.
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on AWS and Cloud.
* Added Users using CHEF for Jenkins, rabbitmq and mongodb
* Actively participated in the automation effort. Wrote security & web architecture provisioning scripts for Opscode Chef, in Ruby
* Responsible for writing Manifests to configure nodes.
* Worked with monitoring and management tools like NAGIOS, Splunk
* Used existing Deal Model in Python to inherit and create object data structure for regulatory reporting.
* Building post install scripts using Shell scripting in Linux servers.
* Strong skills in managing Red Hat Linux servers, Virtualization, and system security.
* Supported installation of Oracle database (RAC) on Linux servers associated with DBAs.
* Used Python unit and functional testing modules such as unit test, unittest2, mock, and custom frameworks inline with Agile Software Development methodologies.
* Provided 24x7 production support and development environments. Ability to communicate requirements effectively to team members and manage applications.

**Environment:** Java, Jenkins, Splunk, Apache, Ruby, Chef, AZURE, Aws, Git, Svn, Rundeck, Nagios, Redhat Linux 6.6.

**Alphaeon Corporation, Irvine, CA**

**Sr Linux Administrator/DevOps Engineer**

**Duration: Dec 2013 – Sep 2014**

**Responsibilities:**

* Installed and Configured Red Hat Linux servers.
* Worked on more than 600 Linux servers to install and configure applications.
* Decommissioned around 300 Red Hat Linux servers.
* Actively engaged in power maintenance and network maintenance calls where I am responsible to fix issues on Red Hat Linux Servers and Solaris Servers.
* V2V'Ed Red Hat Linux Servers from old IP addresses to new IP addresses using VMware.
* Installation, configuration and Operating System upgrade on, Red Hat Linux 5, 6. and Sun Solaris 8,9,10
* Worked on various components of OpenStack and Heat orchestration templates (HOT) on diff project.
* Presented on View Object pattern in Web Application Automation C#, Ruby, Rake, Power shell, Selenium, Team City
* Veritas File system and Veritas Volume Manager 2.5 are used to configure the RAID 1 and RAID 5 Storage Systems
* Business logic implementation, data exchange, XML processing and graphics creation has been done using Python and Django
* Views and Templates were developed with Python and to create a user-friendly website interface Django's view controller and template language is used.
* Installed and Configured Web and investigate the configuration changes in the production environment.
* Responsible for multicasting of various components as a system administrator.
* Worked closely with database administration staff to ensure optimal performance of databases, and maintain development applications and databases
* Unit Test Python library was used for testing many programs on python and other codes.
* Used standard skeleton structures like skel-minimal, skel-standard to write Puppet code.
* Automated the core module Puppet-limits using Puppet, and to automate the entire environment.
* Tuning the kernel parameters based on the application/database requirement.
* Monitoring system resources, logs, disk usage, scheduling backups and restore
* Configuring SUDO and granting root permission to users for performing certain activities.
* Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.
* Deployed DevOps using Puppet, Dashboard, and Puppet DB for configuration management to existing infrastructure.
* Designed and implemented Subversion and GIT metadata including elements, labels, attributes, triggers and hyperlinks.
* Updated and automated Release reports for Change Management.
* Supporting Local System Administrators to troubleshoot Configuration Management and Network issues.
* Created and maintained continuous build and continuous integration environments in SCRUM and agile projects.
* Automated Linux production servers setup using Puppet scripts. Used these scripts to replicate production build environments on a local dev boxes using Vagrant and VirtualBox.
* Documented release, builds and source control processes and plans. Writing Maven and Ant build tools for application layer modules.
* Responsible for nightly and weekly builds for different modules.
* Manage configuration of Web App and Deploy to AWS cloud server.
* Developed Linux, UNIX, Perl and Shell Scripts and AWT programming for the purpose of manual deployment of the code to various environments. Upgrading RHEL 5.0 to RHEL 5.5 using live upgrade and manual upgrade.
* Created BASH shell scripts to automate cron jobs and system maintenance. Scheduled cron jobs for job automation.
* Troubleshoot network connectivity used ping, netstat, ifconfig, and trace route commands. Login to the remote system using sudo, putty, and telnet.
* Linux technical support and prepared technical documentation for decommissioning server's verification.
* Used Atlassain products like JIRA for issue tracking and code integration to plan and collaboration, used Dev tools to host, review, test, and deploy team's Git and Mercurial code.
* Windows Server 2008/2003 Active Directory, SQL, DNS, DHCP, VPN, IIS, FTP server installation and system administration.
* Network Solutions, GoDaddy domain names and SSL certificates purchase, installation and renewal.
* Worked on cloud solution architecture on open stack Amazon Web Services (AWS).

**Environment**: Red Hat Linux 5,6, Veritas Volume Manager, Ruby, Python, Sun Solaris 8,9,10, Solaris Volume Manager, Veritas Cluster Server, Web logic 8.1, Samba, Oracle 9i/10g.

**AAA Insurance, Arizona.**

**Linux System Admin/Dev Ops Engineer**

**Duration: June 2011 – Nov 2013**

**Responsibilities:**

* Perform server updates, patching, upgrade and package installations using RPM
* Supporting of infrastructure consisting of Solaris 10, RHEL 5.5, 6.1, 6.2, 6.4, CentOS and Ubuntu 10.X and 12.04.
* Custom build of Windows 2003 and Windows 2008 servers which includes adding users, SAN, network configuration, installing application related packages, managing services.
* Installing Logical Domain Manager and Solaris Security Tool Kit, Setting up Services and Logical Domains; Create and Verify Services: Virtual Disk Server, Virtual Switch Service, Virtual Console Concentrator, Setting up Control Domain.
* Installation of RHEL OS on Standalone servers using kickstart installation.
* Installed and configured performance monitoring tool Netcool.
* Utilized kick start for systems builds/recovery.
* Design, install, administer, and optimize company servers
* Red Hat KVM-based virtualization
* Scheduling and managing jobs, patches and configuration files with Red hat Satellite
* NFS/CIFS filesystem mounting and support for developers
* upgrading server operating systems, tech refresh, imaging, patch management
* Apply required security patches within NIST and enterprise guidelines
* Acquire permission from stakeholders to change and/or fix their systems.
* Maintain Linux systems serving as firewall, mail server, DHCP and DNS server
* Performance tuning functions on RHEL servers
* Monitoring System Performance of Virtual memory, Managing Swap Space, Disk utilization and CPU utilization
* Check alert logs, trace files and file System maintenance.
* Created cron jobs to do run the backup script every morning.
* Changed the backup server completely and decommissioned the previous backup server.
* Focus on smoothing the transition of projects from development staff to production staff performing operations activities within the firmware and BIOS upgrade of HBA cards (Qlogic) and serial processors.
* Performed DNS changes for IP address and hostnames in DNS master server.
* Present and guide changes through Remedy change management process.
* Maintained build related scripts developed in shell for Maven builds.
* Created and modified build configuration files including POM.xml.
* Used Maven dependency management system to deploy snapshot and release artefacts to Nexus to share artefacts across projects and environments.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds. Took the sole responsibility to maintain the CI Hudson server.
* Used Shell/Perl scripts to automate the deployment process.
* Maintained Load balancing, high availability, failover functionality and disaster recovery included changing IP address of the web and app server machines, which caused change in the virtual host and http transport configurations.

**Environment:** Red hat 6, NFS, LVM, DHCP, FTP, NTP, DNS, Apache, Tomcat, Java.

**Unicom systems, INDIA**

**Linux Systems Admin**

**Mar 2009 – June 2011**

**Responsibilities:**

* Installed RHEL 4.0/5.0 using kickstart and custom building the servers.
* Installed/configured EMC Storage with 0, 1& 5 RAID configurations.
* Installed and configured VERITAS Volume Manager and VERITAS File System as needed.
* Supported, Installed and Upgraded VERITAS NetBackup software on multiple UNIX servers (Solaris).
* Working Knowledge in setting up VmWare architecture (Xen/VmWare Server/KVM).
* Automated in the form of tools and Scripts to reduce IT Work bare minimum.
* Developed BASH, Python shell scripts to automate cron jobs and system maintenance. Scheduled cron jobs for job automation through Autosys.
* Configuration and administration of NFS and Samba in Linux and Solaris.
* Creation & Maintenance of user accounts & passwords & profiles, home directories, initialization of files, groups’ creation and management, setting file permissions, customizing shell environment setup for users.
* Installation and setting up Firewall (IP tables).
* Enabling DRAC IPs to access console remotely.
* Made entries to manage hardware and software inventory in Remedy.
* Scheduling backup of files using NetBackup Experienced in User and Group administration
* Performed Operating System upgrades
* Performed servers updates, patching, upgrade and package installations using RPM
* Configuration and troubleshooting of actuarial applications in CentOS platform
* Ensure server security integrity by reviewing and implementing server policies within the system
* Installed and configured APACHE Web Server
* Experienced in Disk and file system management through Logical Volume Manager (LVM)
* Performed data management using native CentOS utilities for archiving and compression.
* Updated and documented Helpdesk tickets with Remedy ticket system.
* VMware Installation and monitoring of ESXi Servers, Vsphere Client and Vcenter Server
* Configuring Kickstart Server and setting up for automating installations
* Performed software troubleshooting and resolved network issues
* Installed and managed YUM and RPM for package management
* Implemented IPTable and ACL on RedHat Linux servers.

**Environment**: CentOS Linux 5, WINDOWS 2008, TCP/IP,Win 7, 8.1,MySQL Database,Nagios,Apache.

**Gold Stone Technologies, INDIA**

**Linux Administrator**

**Duration: May 2007 - Mar 2009**

**Responsibilities:**

* Installation and configuration of Red Hat Linux, Solaris, Fedora and Centos OS on new server builds as well as during the upgrade situations.
* Log management like monitoring and cleaning the old log files.
* System audit report like no. of logins, success & failures, running cron jobs.
* System performance for hourly basis or daily basis.
* Remotely coping files using sftp, ftp, scp, winscp, and filezilla.
* Created user roles and groups for securing the resources using local operating   
  System authentication.
* Experienced in tasks like managing User Accounts and Groups, managing Disks and File systems.
* Configuring & monitoring DHCP server.
* Taking backup using tar and recovering during the data loss.
* Documenting the installation of third-party software's.
* Configuring printers to the Solaris and Linux servers and also installing third party software's.
* Manage system installation, troubleshooting, maintenance, performance tuning, managing storage resources, network configuration to fit application and database requirements.
* Responsible for modifying and optimizing backup schedules and developing shell scripts for it.
* Performed regular installation of patches using RPM and YUM.
* Experience managing various file systems using LVM and SVM and also configured file systems through network using NFS, NAS, SAN methodologies and installed RAID devices.
* Monitored and fine tuning system and network performance for server environments running Solaris, Redhat Linux.
* Troubleshoot various systems problems such as application related issues, network related issues, hardware related issues etc.
* Involved in creating new users, groups and setup their home directories and appropriate access restrictions to software in the Active Directory environment and NIS domains.

**Environment:** Red Hat Linux 3/4, Solaris 9, Veritas volume manager, SSH, LVM, SVM