*Uday Kiran*

***DevOps Engineer/System Admin***

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IT professional with over **7 years** of experience working on Administration and Engineering of various distributions of **UNIX and LINUX** with extensive experience working on **DevOps Environment**, hands on experience on various tools for **source control, Build Management and configuration management**.

***Technical Skills:***

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| --- | --- |
| **Operating Systems** | Linux (Red Hat 4.x, 5.x, 6.x), Ubuntu, Solaris, UNIX, CentOS, WINDOWS NT/2000/2003/XP/VISTA/7/10, AIX. |
| **Tools / Configuration** | Chef, Puppet, Jenkins, Docker, JIRA, Nagios, Github, Ansible, Splunk, Maven, ANT. |
| **Version Control Tools** | GIT, SVN, IBM Rational Clear Case, Perforce, RTC, CVS |
| **Languages** | Python, Ruby, Bash, Perl |
| **Cloud** | AWS EC2, VPC, EBS, S3, SNS, RDS, EBS, Cloud Watch, Open stack, |
| **Databases** | My SQL, Oracle 9i/10g/11g, DB2, NoSQL, Cassandra |
| **Application Servers** | WEBSPHERE, TOMCAT, JBoss, Nginx |

***Key Skills:***

**System Administration**

**User Management**

**DevOps**

**Cloud computing**

**Networking**

**Scripting**

**Virtualization**

**Storage**

**Security**

***Professional Summary****:*

* **System Admin and Engineer** offering over**7 years** of work experience and expertise in various fields of UNIX and LINUX.
* Strong **Work experience** on **DevOps Environment** and earned good exposure to various**DevOps tools** like **Puppet, Maven, Hudson, ANT,and Ansible**.
* Hands on experience on **Jenkins and Maven**in build management to automate the software builds.
* Extensively worked on monitoring and log managing with the tools like **Nagios and Splunk.**
* Involved in Managing and Administering **RHEL 4/5/6/7,Sun Solaris 8,9,10,11,SUSE Linux, Windows and AIX.**
* Diverse work experience on **Continuous Deployment in DevOps Environment.**
* Worked on **Puppet infrastructure**and created processes that guarantee stable and reliable distribution of **Manifests and catalogs**in puppet applying company best practices.
* Demonstrated Proficiency in installing and configuring Volume Management by using **Veritas (V x VM), Solaris Volume Manager (SVM) in Solaris and Logical Volume Manger (LVM) in Linux.**
* Solid exposure in implementing High Availability environment using **Veritas cluster server 4.1 with agents of Weblogic, Sendmail and NFS.**
* Collaborated with team to workon tools like **Puppet and Ansible** to automate the infrastructure. And also updated, created, adapted and tuned up **Puppet Manifests**andmodules and packages stored in**GIT repository**.
* Led efforts using source control tools like **GIT** and **SVN** to manage **software code** in the repository.
* Managed servers on the **Amazon Web Services (AWS)** platform using **Puppet** configuration management tools.
* Experience in automating, configuring and deploying instances on **AWS**, **Rackspace cloud environments** and **Data centers**, also familiar with **EC2**, **S3,**
* Performed configuration, deployment and support of cloud services including Amazon Web Services**(AWS).**
* Managed multiple instances in **Amazon cloud** and applications running on those instances and involved in automating, developing, configuring and deploying instances on **AWS cloud environments**.
* Ability to configure the services **NIS, NIS+,LDAP,NFS,DHCP Server** and**Samba Server** to get access of LINUX shared resources from windows and involved in Configuring the systems for **TCP/IP Networking** with the existing **LAN**, Setting up **SSH** and **SCP TCP/IP.**
* Good Hands-on experience with **VMware** and experience installing, monitoring virtual environments with **ESX/ESXi hosts and Virtual Center.**
* Successfully configured Volume groups, Logical volumes and files system on **Red Hat Linux and AIX. Installed patches, security fixes,and packages on Red Hat, Suse and AIX servers.**
* Worked on configuration and administration of **Fiber card Adapter’s and handling Linux part of SAN (SAN arrays HITACHI, EMC).**
* Earned reputation in installing, configuring and support of **WebSphere, JBOSS, Tomcat, Apache Webserver, LDAP and mail server.**
* Proficiency in writing **Shell, Perl, bash, ruby, python scripts**
* Performed auditing, performance monitoring and tuning **on Linux System Security**
* Provided thorough **24X7** on call production and customer support.

**Project summary**

**Client : RSA**

**Location : Bedford, MA Sept 2015 – Current**

**DevOps Engineer/System Admin**

**Responsibilities:**

* Installed and configured**Red Hat and Suse** as per the project requirement using **Kickstart.**
* Worked on**Red Hat 5.x, 6.x**, created new File systems, logical Volumes and performed file system management and troubleshooting.
* Involved in designing and implementing on **Puppet** to configure, install, manage, and deploy releases across all environments.
* Managed and maintained ongoing changes to configuration in **Puppet Manifest files** and wrote custom **puppet modules** to manage application.
* Used **Puppet** to manage Web Applications, configure Files, Database, Commands, Users Mount Points, and Packages.
* Assembled **Puppet Master, Agent** and **Database** servers on **Red Hat Enterprise Linux Platforms**.
* Assembled **Puppet Master, Agent** and **Database** servers on **Red Hat Enterprise Linux**
* Installed, configured and administered **Jenkins CI** tool on Linux machines.
* To improve the performance of **Jenkins** implemented the setup form **Master Slave Architecture.**
* Worked on **GIT and SVN** for Source Control
* Coordinated with developers to establish appropriate branching, labeling/naming conventions using **GIT** source control.
* Migrated service from a hosting environment to **AWS** including network layout, data, automation, monitoring and deployment.
* Automated deployment of new **AWS** instances for various server types.
* Launched Amazon **EC2** Cloud Instances using **Amazon Web Services** (Linux/ Ubuntu) and Configured launched instances with respect to specific applications.
* Defined **AWS Security Groups**, which acted as virtual firewalls that controlled the traffic, allowed reaching one or more **AWS EC2** instances.
* Working on Multiple **AWS instances**, set the security groups, **Elastic Load Balancer** and **AMI**s, **Auto scaling** to design cost effective, fault tolerant and highly available systems.
* Created **S3 buckets** and also managing policies for **S3 buckets** and Utilized **S3 bucket** and **Glacier** for storage and backup on **AWS.**
* Developed various scripts on **Python, Ruby, Bash, and Perl.**
* Set up and installed **VMware ESXi 5.5,** worked onmigration of **VM's** and data storage, patch management, snapshot and template and clone.
* Used **Jenkins** for Continuous Integration and deployment into **Tomcat** Application Server.
* Responsible for backing up physical server, deploying the new **VM** on **KVM** hypervisor.
* Installed and managed **apache**, **MySQL**, **PHP**, **Perl modules** on **Red Hat Linux servers.**
* Used **MySQL** data base to manage user data base.
* Installed and configured **Samba** to help printing and file sharing.
* Configured and installed**DHCP, DNS, web (Apache), mail (SMTP, IMAP, POP3)** and file servers on Linux servers.
* Created the Release Management plan with the implementation schedule.
* Provided **24X7** rotation support

**Environment:**Red Hat 5.x, 6.x, Suse,Solaris, Puppet, GitHub, Jenkins, Jira , AWS, Ruby, Python, Shell/Perl Scripts , AWS EC2, RDS , Elastic cache, Elastic Cloud Search, VMware, MySQL,

**Client: Blue Cross BlueShield of South Carolina**

**Location: Columbia, SC Jun 2014 – Aug 2015**

**DevOps/ Linux Admin**

**Responsibilities:**

* Day to day system administration to support **100+ Server** in Production in development environments.
* Troubleshooting of day-to-day system and user problems of various Servers on different platforms.
* Installed, Maintained and Configured **Red Hat Enterprise** and **CentOS.**
* Supported primarily all kind of issues for**Unix** and **Linux OS.**
* Installed and configured **Puppet** and used **puppet** to automate the applications across the environment and wrote various **puppet manifests** for deployment, automation.
* Performed different infrastructure setup and tested the code with **Dockers** and **Vagrant.**
* Worked on cloud server instances and storage from **Amazon web services (AWS)** to enable client web applications.
* **Supported multiple AWS** cloud instances running **Ubuntu, Redhat and Windows environments.**
* Launched Amazon **EC2 Cloud** Instances using **Amazon Images** (Linux/ Ubuntu) and launched instances with respect to specific applications.
* Worked on building data center with **AWS**. Installed **SVN, GIT, and Hudson/Jenkins** images on **AWS.**
* Designed continuous delivery process for development teams for **Java and Maven** based applications. Used agile and SOA concepts to design a customized process using **Maven build** tool.
* Worked on continuous delivery pipelines by using **Jenkins** as a scheduler and developed template based pipelines with embedded logic to work with any project.
* Maintained and administered **GIT** source code tool also designed branching strategy **for GIT**.
* Familiar and experienced with **Agile Scrum** development.
* Maintained and **administered GIT source code** tool also designed branching strategy for **GIT.**
* Configured server monitoring tool like **Nagios.**
* Developed various scripts on**Shell and Python** and wrote scripts for monitoring **log files** and **sending alerts**.
* Responsible to build and startup shell scripts, managing the automation of **CRON jobs**
* Installed and Implemented **VMware ESXi 5.0 host** servers with vSphere Client, vSphere CLI.
* Managed Virtual Machine Clones and Templates, plan and implement VMware Fault Tolerance.
* Extensively worked on vSphere **4.1, 5.0, 5.1 /ESXi 4.1, 5.0, 5.1deployment** and management.
* Work with developers to **integrate** their web applications onto standard infrastructure.
* Installation and configuration of Web /Application Server **Tomcat and Apache**
* Implementing appropriate permissions for files and folders and Managing Users and Groups
* Supported servers, which included **NFS, NIS, LDAP, NTP, FTP**, and users setup/troubleshooting.
* Administrated **DHCP, DNS** and **Samba** services in Linux.
* Responsible production support of LDAP, Domain users, Users and groups and given appropriate permissions, shares and privilege to access LAN and Domain environment.

**Environment:**RHEL 4/5, IBM AIX 4/5, AIX 4.x, SUN E10K, M4000/M500, E4500/5000, E35000, Hitachi 9980v, ESX 4.x, kickstart, usfdump, NFS, Puppet, AWS, Jenkins, SVN, GIT, VERITAS Volume Manager, Web Sphere, Web Logic, Jboss, Tomcat, DNS, netstat, SMTP, MYSQL, RDBMS, samba Kron, Bash.

**UHG**

**Baskin, NJ Nov 2012 – May 2014**

**System Admin/DevOps Consultant**

**Responsibilities:**

* **Installed, upgraded and configured RHEL 6.x/5.x/4.x and AIX 6.1.** This included **Kickstart Installation, HP-SAS and CD media**
* Installed and Configured **Nagios** server for monitoring.
* Recognized solution for automated deployment to new Proxy and Replica servers using **puppet.**
* Set up **Masterpuppet** on primary server and used **puppet agent** for deployment, path verification, files permission, and automated restarts.
* Cloned VMs for Development, QA, and Production in private cloud using scripts and **puppet master/agent server configuration**, with primary goal of automation.
* Deployed **Puppet, Puppet Dashboard, and PuppetDB** for configuration management to existing infrastructure.
* Maintained and administered **GIT** source code tool also designed branching strategy **for GIT**.
* Worked on**Agile Scrum** development environment.
* Maintained and **administered GIT source code** tool also designed branching strategy for **GIT.**
* Worked in managing **VMware** Server to build guest OS using **vSphere** client**.**
* Involved in performance monitoring and Tuning using **iostat**, **vmstat** and **netstat**as well as reviewing historical logs for root cause analysis.
* Installation and configuration of **Oracle RAC** 10g/11g on Linux cluster nodes.
* Distributed OS and application **packages** using Software management tools.
* **User and Disk Management of Linux and Sun user accounts, groups, directories and file permissions.**
* Provided hardware support, problem & OS builds & upgrades along with UNIX Administration on day-to-day basis.
* Configuration and Administration of **Apache Web Server** and **WebSphere Application Server.**
* **Experience in Installing and Configuring JBoss 5.1 Application Server in test environment.**
* Provided 24/7 on call support on UNIX Production Servers. Responsible for planning, scheduling, implementing all move to production changes during weekly outages.

**Environment:** HP ProLiant BL460s/620s/680s/980s, VMWare ESX 4.x/5.x, Puppet, GIT, Oracle 11g/10g/9i, Veritas Volume Manager, Nagios, IBM P750/770/720/710s, VCS5.0/VCSOne, RHEL 5.x/4.x, HP-UX 11.x and AIX 6.1

**Igate**

**Hyderabad, India Oct 2009 – Oct 2012**

**Linux/Unix Administrator**

**Responsibilities:**

* Configured and administered **RHEL 4/5**, **Solaris 9** operating systems environment.
* Used **Jumpstart** for Solaris and **Kickstart** for Red Hat for automatic provision of OS.
* Configured **Multipathing** on Red Hat and Solaris using EMC power path and native **Multipathing** software’s.
* Hand on experience in **Red Hat clustering** and **VERITAS cluster.**
* Worked on **Sun Update Manager** tools for patching.
* Added and managed patch using tools like **Yum, Repository and RHEL satellite server and Sun Update manager for Solaris server.**
* Worked on **Disk Partition, mirroring root disk drive, configuring device groups in UNIX and LINUX** environment.
* Experienced on **file system management, User account management, data backups** and **user’s login support**.
* Worked on tuning, backup and recovery system.
* Managed volume and file system using Veritas Volume management, Solaris Volume Management on Solaris and Linux Volume Management in Linux.
* Maintained and configured **DHCP, DNS, NFS and automounter.**
* Expertise in **Linux backup/restore** with tar including **disk partitioning** and **formatting.**
* Worked on **Nagios 3.0** to monitor services like **CPU, Hard Drive, Memory, Users, http, SSH etc.**
* Installed and configured **SSH, NDM, EMC Power path, Veritas Dynamic Multipathing, Oracle client.**
* Established remote and secured connection through **SSH** gate.
* Managed **email (Postfix and Send mail), LDAP** and **Oracle services.**
* Managed **SAN** storage and created different **RAID** level configuration for application and database server.
* Extensively worked with Business, Application, Network and **SAN** Team for Project Requirement.
* Worked on **LDOM**s server virtualization with Solaris zones and ZFS file system.
* Managed patching worked on **Firmware updates** for blade enclosures.
* Installed and configured **JBOSS, Apache, Tomcat, and WebSphere.**
* Created and implemented clustering topology in **WebSphere** application server ND V 5.x, 6.x, 7.x, 8.x to achieve **Work Load Management, High availability, Load Balancing and hardware failover**.
* Monitored and debugged day to day issues and problem relating to systems, software and servers.
* Provided 24x7 on-call /Remote Support to resolve the issues regarding server performance.

**Environment:**Red Hat 4/5, Solaris 9, Apache 2.2, JBOSS 4.2, Jumpstart, Kick Start, LDOMS 1.2, VMware, Veritas Cluster Servers, Solaris Volume Management