**Nithya**

**Aws& Devops Engineer**

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Professional self-motivated carrier with 8+years of experience in IT with outstanding capabilities as an AWS Cloud Engineer, DevOps Engineer and Linux System Administrator Administrating server infrastructures across Linux and UNIX.

* Strong knowledge in **Aws,** **Ec2, IAM, Lambda, AMIs, Automations, load balancer, S3, VPC, EBS, Security Groups, CloudFront, SNS, SQS, Cloud Formation, CloudWatch, API Gateway etc.**
* Expert in **cloud automation** utilizing various **Cloud Formation Templates**
* Efficient knowledge on **Networks, VPN, Subnets, NAT Gateways, Network ACLs, Customer Gateways, Firewall Manager, DNS.**
* Well known skills and Experience with Scripting Languages like **Bash, Perl, Python, Ruby, JSON, JavaScript, Groovy.**
* Reliable in **Continuous Integration (CI) and Continuous Delivery (CD)** with **Jenkins, Docker and Build Tools.**
* Clear understanding and experience with the source code management using **Git Hub, Perforce, Helix, Vss, Mercurial, CVS.**
* Thorough understanding and experience toward the continuous integration tools like **Jenkins, Hudson, Bamboo, TeamCity, Codeship, Gitlab, Build Master.**
* Extensive Experience with the Build Tools **Gradle, Maven, Ant, Apache Builder**.
* Familiar with the working of **EAR, WAR, JAR** **Files** in build team and Production Servers.
* Working Expertise with Agile Environment using **Scrum, Selenium** and deployment tools like **Nexus, NexusPro**.
* Focused on various configuration management tools such as **Ansible, Chef, Puppet.**
* Hands on Experience with Docker Containers and implementation of **Docker** **Containers and Containers Clustering**.
* Responsible for determining all the **Container Strategies** and leading the Containers with the responsibilities in **Docker.**
* Analyzed and worked on with **Docker Swarm, Docker Compose, container Orchestration.**
* In depth knowledge on **kubernetes orchestration, writing Kubernetes Operations and Controls, continuous Deployment and managing the containerized Applications.**
* Monitored various Servers and many Applications using Monitoring tools like **Nagios, Splunk, ELK.**
* Good Experience of System **OSS on Linux, UNIX, PowerShell and Windows.**
* Expert with the Linux Based **Operating Systems, Scripting, OS Virtualization, web and Application Servers.**
* Ability to work with the Linux Friendly Applications and experience in handling the **troubleshoot** when issue arises from the servers. Ensures **Redundancy a**nd **Stability** for all Critical Systems.
* Strong knowledge on Networking and Security issues.
* Responsible for **Monitoring** all the servers and **Upgrading** the Virus software’s and Code Upgrades.
* Experience with Virtualization and managing virtual hosts with **VMware ESXI and AWS.**
* Strong knowledge about monitoring tools source tools and experience with web service Administration such as **Apache.**
* Experience with the Linux Server Operating System, **Red hat** with focus on website hosting Email and **Centos.**
* Capacity to understand the **system** and **storage design** exactly to support the **Database and Application Servers**.
* Confident and Professional Speaking abilities.
* Strong and Efficient in Understanding and Solving issues arised.

**Educational Qualifications:**

Bachelor of Computer Science &technology in vel tech University.

**TOOLS AND TECHNOLOGIES:**

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| **Cloud Infrastructure**: Aws, Open stack, MS Azure, Google cloud, Rackspace. |
| **Scripting Languages:** Shell, Python, Ruby, Perl, bash. |
| **Operating System:** Unix, Susu, RHEL (5.x, 6.x, 7x), SUSE Linux (9,10,11), Sun Solaris 8,9,10,11, CentOS 5,6, OSX, AIX 5.1,5.2,5.3 Windows 2003/2008, Ubuntu 10.04+Latest. |
| **Build Tools:** Gradle, Maven, ANT, M.S Build. |
| **Continuous Integration Tools:** Jenkins, Bamboo, Hudson, Build Master. |
| **Configuration Management Tools:** Ansible, Puppet and Ops Work. |
| **Networking Services and Topologies:** LAN, WAN, VPN, Firewalls, FTP, Mail, Wireshark, TELNET, POP3, DHCP. |
| **Virtualization Tools:** VMware, OracleVirtualBox. |
| **Container Tools:** Dockers, kubernetes, Mesos. |
| **Operating System:** Windows, Solaris, Ubuntu, Linux, Centos, Unix. |
| **Monitoring Tools:** Nagios, Splunk, Kibana, ELK. |
| **Versioning Tools:** GIT, perforce, CBS, Mercurial, Subversion. |
| **Filesystems:** CFS, ZFS, Ext, Ext2,Ext3,Ext4,ReFS,UFS. |

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**PROFESSIONAL EXPERIENCE:**

**Sr.AWS&Devops Engineer:**

**Farmers Insurance, Woodland Hills, CA (January2018-present)**

* Worked on aws services such as (**EC2, IAM, Lambda, AMIs, Automations, load balancer, S3, VPC, EBS, Security Groups, CloudFront, SNS, SQS, Cloud Formation, CloudWatch, API Gateway etc.**
* Responsible to perform various activities like **build** and **deploy** software to cloud.
* Proficient in implementing **ElasticSearch and Load balancing.**
* Worked on evaluating the present software engineering activities and has in-depth knowledge on increasing the market values within a fast **CI/CD environment.**
* Implemented continues integration and deployment, testing tools using **Jenkins, Maven, Bitbucket, Bamboo**.
* Created new jobs, managed various plugins and configured various jobs using the Source code management tools, verified many build reports.
* Designed various security policies and **IAS groups** and **optimized Redshift** database as a result for good performance.
* Strong in handling and fixing the various security issues at **subnets, Networks and different security levels.**
* Collaborated and participated with other members to **troubleshoot** and resolve the production issues.
* Responsible for administrating **Linux/Unix, Centos, Ubuntu** systems.
* Extensive experience working with **Ansible** and development skills like writing **python, Go** and **bash scripts** etc.
* Flexible in working with **docker** container tools and orchestration tools **kubernetes.**
* Performed and wrote various **kubernetes and service files** fordocker images.
* Managed maven repository using the **nexus** tool which helps in automating the build process.
* Maintained various server functionalities such as **data application** and **networks** during the modernization process.
* Written various **chef cookbooks** for different database configurations production to retrieve best production results.
* Implemented and executed various maintained issues such as Patching, ticket resolutions and root causes.
* Wrote ansible playbooks to manage the configurations of **Aws** nodes.
* Tested Playbooks on various Aws instances using Python.

**Environment:** Aws, Lambda EBS, Cloud Watch, Cloud Formation, GIT, Perforce, SVN, ANT,Maven,Gradle,Ansible,Chef,Puppet,Linux,Windows,Tomcat,Kubernetes,Docker,Nagios,python,Bash,Go,BitBucket,Bamboo.

**Cloud Devops Engineer:**

**21 century fox, Dc. (Mar2015-Dec2017)**

* Worked with cloud computing-based services and various technical designs that includes **Iaas, Paas, Saas** delivery methods.
* Provided technical leadership, defined, developed and was a part of fast and agile development and infrastructure.
* Intensive experience working with the web and Networking standards such as (**TCP/IP, TELNET, DHCP, DNS, Web security, firewalls**.
* Working experience with **AWS** and **Microsoft Azure.**
* Strong knowledge on Amazon Web Services and worked on services like **(EC2, Load Balancer, Security Groups, Autoscaling groups instances, S3, Lambda, Glacier.**
* Brief working Experience with the team to implement **log stash, Elastic Search to create stack on aws.**
* Assessed AWS resources using **Cloud Formation templates** and **deploy.**
* Acquired knowledgeon **Elastic bean Stalk** for **deploy** and Service developed with help of **java, php, nodes, Ruby, dockers** and hands on experience with **Apache.**
* Monitored the servers with different data centers with the help of **OpenStalk.**
* Familiarized in using **Availability zones** and **Administrated facing hosts**.
* Experience on **Microsoft SQL, cloud** and **Database environment**.
* Developed results that acts as an advantage of external **cloud technologies** to encourage the firm’s strategic direction.
* Extensive experience working with the configuration management tools such as (Ansible, Chef, Puppet, Salt).
* Brief experience on Open source projects behind ansible towers with the help of **Awx.** Similarly worked on complex automations to run the projects.
* Screened using creating **cookbooks, knife tool** to implement **recipe templates** and case studied in a heterogeneous environment.
* Implemented the **cloud container** strategy for the organization and acted as a **cloud architecture.**
* Orchestrated and worked on **code pipeline** using **docker** and implemented the continuous delivery of code from developer to production easing the code development and deployment pipeline.
* Implemented various services deployment using kubernetes.
* Sphere-headed in monitoring using **Nagios** by keeping up the status of various applications and servers of system.

**Environment: AWS**, Microsoft Azure, Java, Php, Database Environment Security Groups, Windows Server 2008/2012, Docker, Kubernetes, knife, AWX, Chef Engine, Puppet, Ansible.

**Sr. Linux Administrator:**

**SB technologies, Hyderabad india (Nov2012-Dec2014)**

* Installation and configure services. understanding the **Linux** file system.
* Exposure knowledge on managing the user and group administration of **creating, modifying** and **deleting user** and groups and proving **security** on user account and group accounts.
* Worked on **VMware** related issues.
* Strong experience in **Linux** and **OS Administration** for a good consistent maintenance of the environment.
* Raising hardware calls with **vendor, raising change request, Finding RCA** for **server crash issues**, working on **scheduled reboots**.
* Monitored various servers and systems using **Splunk monitoring tool**. Experience working with the **infrastructure code** and **container tools** such as **Git, Jenkins, Ansible, Puppet, Maven.**
* Worked on job related issues with control-m agent such as restarting the agent, checking the job status on client side, and escalating to batch infra team in any case issue.
* Familiar about health check on server periodically.
* Managing **backup** failures and **partial backups** from client side.
* Involved in **Kernel patches** upgradation by using **Yum** and **rpm.**
* Configuring **NFS** and **samba** servers and clients.
* Changing hostnames and ip address as per requirements.
* Managing and requesting for **LUNS** and bringing those into **LVM** control to increase the Lv.
* Configured new physical and virtual servers when implementing and documentation.
* Deep knowledge on working with **Linux based operating system (Debian, Ubuntu, Gentoo etc.)**
* Proficient in Shell scripting, **Perl** and **Debugging**.

**Environment:** Red Hat, VMWare, Ubuntu, Debian, Gentoo, shell, troubleshoot, Splunk, Jenkins, Git, Maven.

**LINUX SYSTEM ADMINISTRATOR:**

**Sahithi system pvt ltd, Hyderabad india (june2010-sep2012)**

* Worked on Supported web services, Email and similarly worked on **CRM** apps for the clients.
* Experienced in Controlling 1000 servers and over 8000 users in the present global technology.
* Responsible for the installation and maintenance of **Red hat Linux computers and Network systems.**
* Resolved any internal system issues and helps the internal processes and Documentation.
* Experience with the **VMware administration** and other **virtualization technologies.**
* Worked around with the **load balancing** technology and knowledge on **Haproxy.**
* Creating and deploying the **Linux infrastructure** integrated with **network storage servers, Samba Server, LDAP servers** which helped reducing the infrastructure complexity and improve development product.
* Established installation and configuration of various servers like **Apache, MySQL and PHP file.**
* Execution of **kickstart, PXE boot Servers** which resynchronize in various locations.
* Monitored System Administration tasks, daily activities and user support.
* Experienced in Handling the customers to purchase proper Equipment which gives good performance within the budget.
* Installed and configured **Solaris** servers using **Jumpstart**
* Worked with the **Veritas Volume Manager** and monitored the **veritas cluster servers** in all Environments.
* Flexible in Scripting languages such as **Bash, Perl, Python, Shell** to automate **cron jobs** and **System maintenance**.
* Worked on the Yum repository and installing Patches with it.
* Strong knowledge on **RHEL5** and **RHEL6**.
* In depth knowledge on the Container technologies such as **Docker** and **Kubernetes.**
* Knowledge on configuring **Switches, Firewalls, Routers, routing protocols** working around with **VLANs.**
* Expertise in creating and deploying the **workstation images** using **deploying tools.**

**Environment:** Red Hat Enterprise Linux (RHEL) 4.x, 5.x, Solaris 8/9/10, IBM X 3650, X3850, VMWare, Veritas Volume Manager, Veritas Cluster Server 4.0, LVM, Docker, Kubernetes, Bash, Python, Shell, YUM, Cronjobs, SQL, Haproxy, PHP.