S. Jagannadha Reddy
DevOps Engineer

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Summary:

- 3.0 years of experience in IT industry comprising of Devops Engineer and Software Configuration Management (SCM).Product software configurations, implementing Continuous Integration and Continuous Delivery methodologies.
- Strong believer of DevOps Methodologies and working towards a core DevOps engineer position, who can bring an end to end work flow of Continuous Integration, Continuous Delivery and Continuous Deployment process for an organization.
- Experience with various AWS services **like EC2, EC2 Container Service, S3, Elastic cache, EBS, ELB, Auto-Scaling, VPC, RDS, IAM, SES, and Cloud Formation.**
- Experience working with all AWS EC2 resources like Volumes, Key pairs, Placement Groups, Elastic IPs, Snapshot's, Load balancers and Security Groups.
- Defining EC2 Instance Security Groups, configuring Inbound / Outbound rules and tagging AWS EC2 resources.
- Creating Auto Scaling groups in AWS from Instance templates and Auto Provisioning based on the Project / Testing team needs.
- Experienced in Amazon EC2 setting up instances, virtual private cloud (VPCs), and security groups.
- Good knowledge on version control systems GIT.
- Expertise in various GIT branching methodologies, merging and tagging to facilitate defect/change management in conjunction within projects across the organization.
- Implemented Git pre and post commit hooks to perform automated tasks like Gerrit analysis against the master and rebasing if necessary and build kick-off via Jenkins.
- Experience with GIT interactive rebasing, stashing and purging.
- SupportedAWS Cloud environment with AWS instances and configured Elastic IP & Elastic Storage and experience working on implemented security groups.
- Deploy third parties applications using various CI tools like Jenkins and Hudson
- Extensive experience using MAVEN and ANT as a Build Tool for the building of deployable artifacts (war & ear) from source code.
- Worked on Docker container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
- Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
- Experience working on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
- Managing DNS, LDAP, FTP, Tomcat Apache web servers on Linux servers.
- Implementing appropriate permissions for files and folders and Managing Users and Groups
- Install and configure SSH to enable secure access to the servers.

Educational Qualification:

Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University, Ananthapur, India.

Technical Summary:

CI Tools	Jenkins.
Application Servers	Apache Tomcat
Web Servers	Apache.
Infrastructure as Service	AWS.
Virtualization Platforms	Docker.
Configuration Management	Ansible.
Operating Systems	Windows, Flavor's of Unix.
Application Deployment	Maven, Gradle.
Build Systems	Maven.
Version Control	Git.
Containerization Tools	Docker.

Work Experience:

- Working as Linux Engineer in **C L SOFT PVT LTD,**HYDERABAD from February, 2019 to Till Date.

Professional Experience:

C L Soft Pvt Ltd,HYDERABAD.Feb 2019 – Present
DevOps Engineer
Responsibilities:

- Configured & Provisioned AWS EC2 Cloud instances using AMI's like (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins.
- Worked with EBS, storage service S3 and performed tasks like buckets creation, folder navigation and property changes and data migration activities.
- Created AWS EC2 instances and deployed applications and delivered for QA teams to initiate performance testing.
- Setup from scratch Continuous Integration (CI) environments (Jenkins on ec2 over vpc) complete with automated unit testing and Code Coverage tools.
- Integrated Amazon Cloud Watch with Amazon EC2 instances for monitoring the log files, store them and track metrics
- Configured IAM services creating new IAM users & groups, defining roles and policies and Identity providers.
- Experience configuring AWS Cloud watch for monitoring of instances during performance testing and also to monitor application performance on QA environments.
- Configured trigger points and alarms in Cloud watch based on pre-defined thresholds and log monitoring.
- Installation and configuration of Web Application servers like Apache, Tomcat and Web Logic.
- Created Maven POM files to build the Java projects based on their project structure.
- Installed, Configured and automated the Jenkins Build jobs for Continuous Integration.
- Installedand Configuring & monitoring DHCP server.
- Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
- Upgrading Jenkins & deploy Tomcat 7 on the existing applications. Configuring LDAP authentication with the existing software structure (Jenkins).

- Installation and configuration of Red Hat Linux, oracle Linux, on new server builds as well as during the upgrade.
- Deploying Oracle Linux, Red hat Linux, and windows servers in fast paced environment.
- Creating the template for the Linux those are used for deploying for the environments.
- Remotely coping files using sftp, ftp, SCP, winscp, and filezilla.
- Participated in the migration planning, developing, testing and moving the migration process onto full-fledged production network
- Experience in installing, integrating, tuning and troubleshooting Apache and Tomcat application server.
- Jenkins Expert with hands on all areas of Jenkins administration, backups, plugins, security, performance and role based user access.
- Troubleshoot the build issue during the Jenkins build process.
- Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
- Performed regular installation of patches using RPM and YUM.
- Monitor daily builds for any problems.
- Setting up and maintaining Jenkins for continuous builds for sanity on multiple project trains
- Automating creation of release notes.
- Doing capacity Assessment for new requests of servers i.e. calculating CPU and Memory for new servers according to the current/future Applications running on the system.
- Understanding of networking concepts, (IE. Configuration of networks, router configuration and wireless security, TCP/IP, VPN, Content Filtering, VLANs, and routing in LAN/WLAN, Ethernet Port, Patch Panel and wireless networks.)
- Created and maintained network users, user environment, directories, and security.
- Experience in Windows 2003 and2008 Active Directory Installation and Configuration.
- Configuring Outlook for mails. Backup/Restoring of mail Accounts
- Installed configuring and maintaining Active Directory services.
- Created Domains, Child Domains, Read Only Domain Controller. Installed, configuring and Managing DNS sever Role.
- Installed, configuring and Managing DHCP sever Role. Working with active directory sites.

Environment: GIT, Docker, Jenkins, AWS (EC2, S3, AMI's, VPC, Cloud Formation), Vagrant, Maven, ANT, Repository, Tomcat.

C L soft Pvt Ltd, HYDERABAD.
Feb 2019 – Nov 2019.
Jr. Linux System Admin.
Responsiblities:

- Providing 24/7 support.
- Monitoring alerts using Nagios tools and following SLA.
- Handling and response to the mails, such as providing information to users.
- Creating ticket and escalate to concern team.
- File Systems and Process management.
- Configuration of Master server, Slave server & integrating NFS and Autofs.

- Managing User and Group Administration.
- Installing and Upgrade the Linux using kickstart method.
- Package Administration(RPM & YUM)
- Performing Schedule Jobs (At &Cron).
- Processes administration and Management like monitoring, start/stop/kill various processes.
- Monitoring and managing swap space.
- Working with open source packages like SUDO, Open SSH and providing trouble shooting.
- Configuration of remote access utilities, providing user access control on services like Telnet, FTP and SSH.
- Monitoring system resources, logs, disk usage, scheduling and monitoring backups and restore
- Setting up cron jobs for the user to deploy scripts on production servers
- Installation, configuration and maintenance of LVM on RHEL
- Setup Quotas for the user accounts & limiting the disk space usage
- Performed check out for the sanity of the file systems and volume groups
- Responsible for settings up NFS server and client, Telnet server, FTP servers, DNS, DHCP, LVM and Apache Configuration, Samba installation and configuration
- Working in a 24X7 on call rotation to support critical production environments
- Work experience on consoles and administrated the accounts.