### Nanda Kumar Reddy B

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### Objective:

To secure a challenging position where I can effectively contribute my skills & expand my knowledge for the dynamic growth of the organization. Well-versed in software production, development lifecycle, and release of software products. Looking for a responsible position as a DevOps Engineer in an established IT firm with 3+ years of experience in Cloud Infra Structure (Solution Architect Associate Level) DevOps Engineer activities.

### Professional Summary:

**DevOps/cloud** And SRE Engineer with 3+ years of extensive experience in Software Configuration Management (SCM), Systems Administration, build and release engineering, process development, and Application support.

### Linux Technical Summary:

* Installation and configuration of Linux operating system v5.x/6.x/ and centos 6.x.
* Profound knowledge in creating and managing user accounts and groups.
* Assign permissions to users and groups using chmod.
* Having good exposure to NFS Configuration and related issues in Linux.
* Good knowledge of patching and up-gradation with multiple methods in Linux.
* Having knowledge in configuring LVM and file systems in Linux.
* Having knowledge of repository creation for accessing packages with YUM utility.
* Profound knowledge on password recovery, sudo permissions, and **crontab**
* Applying Access Control List (ACLs) on the files in order to allow multiple users to access a particular file or directory in which they are having limited permissions.

**DevOps and AWS Skill Technical Summary**

* Expert in configuring and maintaining Amazon Web Services which include services like Amazon EC2, S3, Route53, IAM, VPC, RDS, Cloud Watch.
* Designing highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs
* Administering Jenkins and secured Jenkins with role-based access controls and matrix-based project access.
* Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Experienced with Continuous Integration/Continuous Deployment Tools as Jenkins and strong experience with Maven and Odoo Build Frameworks.
* Hand-On experience in Build and Deployment of **CI/CD** pipelines, managing projects often includes tracking multiple deployments across multiple pipeline stages.
* Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Extensive experience and highly proficient in GIT repository’s structure, branching model and access control.
* Experience modifying Shell scripts to automate the deployments.
* Involved in setting up Jira as defect tracking system and configured various workflows, customizations, and plug-ins for the Jira bug/issue tracker.
* Well versed with deploying/configuring/tuning Enterprise Applications in Tomcat.
* Good Command of Linux and UNIX administration.
* Excellent skills in applying Continuous Integration, Continuous Deployment, and Continuous Delivery
* Hands-on experience in working with configuration management tools like ansible
* Experienced in Configuring Servers to provide Networking Services, including HTTP, HTTPS, SAMBA, and FTP.
* Involved in installing Redmine as a ticket/bug tracking tool and installed several plugins to track bugs and provide user administrations for different projects.
* Designed and implemented different architecture plans to migrate servers/data from premises to AWS cloud.
* Installing and maintaining the Zimbra mail server and providing different access to users.
* Involved in launching different servers for different projects based on architecture.
* Install and configure managed EKS clusters in AWS as well on on-premises
* Installing, maintaining and troubleshooting database servers Linux machines and configuring with application servers.
* Excellent communication skills, ability to work as a team or individually, ability to learn new technologies quickly.

### Technical Qualifications:

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| **Platforms** | Linux, Red Hat, Cent OS, Ubuntu, and Windows. |
| **Cloud/Virtualization** | AWS(EC2,ELB,Route53,S3,RDS, IAM,EMR,Autoscaling,Cloudwatch,SNS,SES,SQS,VPC). |
| **Networking** | HTTP/HTTPS, FTP, NFS, TCP. |
| **Languages** | Shell scripting, Python, Power Shell (Knowledgeable) |
| **Configuration Management** | Ansible, Terraform (Knowledgeable) |
| **Source Code Management** | GIT |
| **Continuous Integration** | Jenkins |
| **Build tools** | Maven. |
| **Web and Application Servers** | Apache Tomcat 8. x, Odoo Apache2, Nginx, IIS |
| **Databases** | MySQL, RDS, Mongo DB, PostgreSQL |
| **Containerization** | Docker, Kubernetes (Knowledgable) |
| **Monitoring tools** | Cloud Watch, Nagios, Data dog, Ok meter |

### Educational Qualifications:

### B. Tech from JNTU Anantapur.

**Professional Experience:**

**Current Organization:**

**Organization: Aptude Solutions**

**Role: DevOps Engineer & SRE**

**Duration: Feb-11-2019 to Till Date**

**Responsibilities:**

* Worked on the creation of custom Docker container images, tagging, and pushing the images.
* Worked on creating docker images by writing docker files for different environments.
* Worked on creating the Docker containers and Docker consoles for managing the application.
* Installing and writing docker file create different images. Creating different docker environments on Linux servers.
* Experience implementing, troubleshooting, and supporting the enterprise web applications, and Applications Server Odoo.
* Jenkins is used as a continuous integration tool for the build and deployment of Python code.
* Installed and Administered Jenkins CI for Maven/Python Builds, CI/CD with Jenkins.
* Improved entire release process by automating all manual/time-consuming steps with DevOps tools, Jenkins.
* Responsible for utilizing Elastic Load Balancing for our QA and UAT environments as well as infrastructure servers for writing/modifying Shell scripts.
* Good Command of Linux and UNIX administration.
* Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery
* Hands-on experience in Auto scaling for production instances, for scale up and scale down instances.
* Redmine administration and create different projects, and provide access to users.
* Worked on static and dynamic website migration from on-premises to cloud.
* Configuring monitoring for each instance and service in Nagios, cloud watch, and data dog.
* Configuring backups (database and code) for each server and maintaining in s3.
* Install and configure Nagios for different servers to monitor different services and notify us when having abnormalities.
* Application Server Tomcat.
* Managed the Subversion branching strategy for a few applications by creating Release branches, and Development branches thus ensuring the integrity of Trunk.
* Jenkins is used as a continuous integration tool for the build and deployment of JAVA code.
* Installed and Administered Jenkins CI for Maven Builds, CI/CD with Jenkins.
* Experience in User Management and Plug-in Management for Jenkins.
* Deployed the archives like war files into the Tomcat Application Servers.
* Improved entire release process by automating all manual/time-consuming steps with DevOps tools, Jenkins.
* Used Ansible to manage Web Applications, Environment configuration Files, Users, Mount Points, and Packages.

**Environment: -** GIT, Maven, Java, Tomcat, Terraform, Kubernetes, Jenkins, Red hat, Ubuntu, Ansible, Python, Shell Scripting, Power Shell, Linux, Windows.

**Date :**

**Place: (Nanda Kumar )**