**AWS and DevOps Engineer**

**B. Nagasrinivasarao**

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**PROFESSIONAL SUMMARY:**

* + Having 4+ years of Experience in Build and Release Engineering.
  + Currently working on DevOps, Configuration Management and Build Management.
* Expertise in Configuration Management, Cloud Infrastructure, Automation it includes Amazon Web Service (AWS), Ansible, Jenkins, Git, Maven, Docker, Kubernetes etc.
  + Experience in Version Tool like Git, GitHub.
* Good knowledge of AWS services like EC2, Elastic Load-balancers, S3, Route53, IAM, Elastic Search.
  + Expertise in setting up Jenkins and integrating with different tools to achieve the CI/CD.
* Managing Build Process using Jenkins Server.
  + Experience in Build, Package and Deploy to all the environments.
  + Experience in creating containers with Dockers.
  + Hands on Experience in Kubernetes And creating the Pods and HPA and creating Kubernetes Cluster and Integrate with the Jenkins and Application Deploy into the Kubernetes Cluster.
  + Installed and maintained the GIT repositories.
  + Deployed configuration management and Provisioning to AWS using Terraform script.
  + Good knowledge on writing Shell Scripts.
  + Have hands-on knowledge with Ansible and writing Playbooks
  + Knowledge in AWS EC2 cloud VPC setup and instance creation activities.
  + Created Cloud Formation Template for main services like EC2, VPC, IAM, for reuse the current environment.
  + Creating snapshots and Amazon machine images (AMIs) of the instances for backup.
* Customer facing- Good communication, presentation and teamwork skills
  + Good ability to quickly grasp new concepts and technologies processing problem solving skills as well as hardworking and above all a good team player.

**Technical Skills:**

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| Version Control Tools | Git, GitHub |
| Build Tools | Maven |
| Continuous Integration | Jenkins |
| Containerization | Docker, Kubernetes |
| Configuration Management | Ansible |
| Scripting Languages | Shell Scripting, Python(basic) |
| Operating System | Linux, Ubuntu & Centos |
| Cloud Technologies | Amazon Web Services |
| Monitoring | E.L.K and Cloud Watch |
| Provisioning Tools | Terraform |

**Educational Qualifications:**

* B. tech from Chirala Engineering College Chirala.

**Professional Experience:**

* Working as an AWS & DevOps Engineer for TCS , Hyderabad from June 2018 to till date.
* Working as a Linux Adminstator for Amdocs Pvt Ltd, Pune From February 2017 to March 2018.

**PROJECTS:**

**DevOps Engineer:**

**Client:** Market America

**Role:** Build and Release Engineer

**Environments:** Git, Maven, Jenkins, SonarQube, Nexus, Ansible, Shell, Docker, Kubernetes

**Roles and Responsibilities:**

* Played key role as Build, Release and Deployment Engineer for the assigned Projects.
* Experience in building and Deploying Java web applications and websites in Linux environment On-premise and AWS Cloud.
* Implemented Continuous Integration using Jenkins.
* Build automation for daily and nightly builds.
* Manage the configurations of multiple servers using Ansible.
* Live sites deployment in apache and Tomcat.
* Used Jenkins to create jobs for clients to build and deploy QA packages on demand.
* Installed application on AWS EC2 instances and also configured the storage on S3 buckets.
* Performed S3 buckets creation, policies and also on the IAM role based polices.
* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* Good working knowledge on GIT
* Responsible for creating and developing the build process environment.
* Continuous deployments and builds using Jenkins.
* Creating the Kubernetes PODS and HPA, Application Deploy into the Jenkins.

**SYSTEM ADMINISTRATOR:**

**Project :** Integrated Customer platform (ICP)

**Platforms** : Windows 7,8, Linux

**Technology** : Git, Jenkins, Maven, AWS.

**Database :** MySQL.

**ROLE** : System administrator.

**Roles And Responsibilities**:

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**➢** User Management (creating users, assigning permissions)

➢ Security Management (assigning file/directory permissions)

➢ Controlling Access to files with Linux file System Permissions

➢ Controlling Access to Files with Access Control lists(ACL's)

➢ Processes administration and Management like monitoring, start/stop/kill various processes.

➢ Monitoring system resources, logs, disk usage, scheduling and monitoring backups and restore.

➢ Monitoring the Servers performance using with performance monitoring tools like top and ps etc.

➢ Scheduling jobs using CRONJOB

➢ Configuration of Remote Access utilities, providing user access control like telnet, FTP, SSH.

➢ Adding Disks, Partitions, Swap space management and File System.

➢ LVM and logical volume creating, size extending &reducing.

➢ Daemon & Process Management (Stopping, Starting, refreshing).

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