**Sai Kumar Maram**

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**SUMMARY:**

* Overall 5+ year’s experience Having 3.9 years of Working Experience in DevOps tools such as **Git, Maven, Jenkins, Docker, Kubernetes, and Ansible** along with **AWS.**
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile** methodologies.
* Experience in using Maven as a build tool for building deployable artifacts (WAR) from source code.
* Worked with Version Control Systems like **GIT.**
* Proficient in scripting languages like **Yaml**, **Shell** for build automation.
* Application Deployment and environment configuration using Ansible and Chef.
* Experience in setting up the **Maven** build scripts for **JAVA** applications
* Extensive experience on Jenkins, Docker for continuous integration and end to end automation for all build and deployments.
* Experience in configuring and deploying Java applications into application servers (**Apache Tomcat**)
* Worked with Linux, Unix and Windows 7 operating systems.
* Strong knowledge on source controls concepts like Branches, Merges and Tags.
* Extensive experience with **CI tools (Jenkins).**
* Experience on Containerization tool like **Docker.**
* Experience in automating the infrastructure in AWS using web services.
* Strong knowledge and experience in AWS services like **EC2, S3, EBS and IAM**.
* Used **CloudWatch** to monitor server services like logs, **CPU**, **RAM** and disk storage.
* Worked with Writing the shell script for start and stop services
* Worked with Writing the shell script for backup and restore
* Worked with writing the shell script for crontab scheduling for backup and restore
* Extensive experience for writing the **Ansible** playbooks
* Capable of processing large sets of structured, semi-structured and unstructured data and supporting systems application architecture
* Expertise in **Kubernetes** clustering, configuration, Architecture and services.
* Extensive experience for writing the **Dockerfiles** for building the **Docker images**
* Extensive experience for writing the **Docker-compose.yml** for running multiple containers

**Technical Skills:**

**SCM Tools** : GIT

**Build Tools**  : Maven

**CI Tools**   : Jenkins

**Bug Tracking Tools :** Jira

**Servers :** Apache Tomcat

**Configuration tools** : Ansible

**Virtualization** : VMware, Docker, Docker compose, Kubernets

**Cloud Platform**  : AWS EC2,VPC,EBS,S3,ELB and IAM , Openstack

**Scripting Languages**  : Shell, Yaml

**EDUCATION:**

* Bachelor of Technology From **JNTU A**

**PROFESSIONAL EXPERIENCE:**

Working as **Devops Engineer** for **Smarten Spaces**. Bangalore from Apr 2017 to till date.

Working as **Linux Administrator** for **Smarten Spaces**. Bangalore from July 2015 to Mar 2017.

**Project #1:**

**Comapany :** Smarten Spaces

**Role**  : DevOps Engineer

**Duration** : June 2018 to till date

**Roles and Responsibilities:**

* Implemented rapid-provisioning and life-cycle management for Linux using Amazon EC2, **Ansible**, and **Git.**
* **Worked in AWS environment, instrumental in utilizing Compute Services ( EC2, ELB), Storage Services (S3, Glacier, Block Storage, Lifecycle Management policies), CloudFormation(JSON Templates), Elastic Beanstalk, Lambda, VPC, RDS, Trusted Advisor and Cloud Watch.**
* **Designed & implemented VPC service for extension of on - premises datacentres with AWS Cloud using VPN&Directconnect services.**
* **Migrated Linux environment to AWS by creating and executing a migration plan, deployed EC2 instances in VPC, configured security groups &NACL's, attached profiles and roles using AWS Cloud Formation templates and Ansible modules.**
* Managed and optimize the Continuous Delivery tools like Jenkins.
* Install, Configure, Administer Jenkins Continuous Integration Tool.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
* Implemented **AWS** solutions using EC2, S3, RDS, EBS, IAM, Elastic Load Balancer, Auto scaling groups.
* Optimized volumes and EC2 instances
* Branching, Tagging, Release Activities on Version Control Tools: GIT.
* Used Maven as build tool on Java projects for the development of build artifacts on the source code
* Automated deployment of builds to different environments using Jenkins.
* Worked on infrastructure with **Docker** containerization.
* Developed Ansible playbooks for automation of the build and release process.
* Develop Custom Scripts to monitor repositories, Server storage.
* Developed automation framework for Application Deployments to the cloud environments
* Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments
* Developed Inventory files for **1 node , 3 node and 5 node** cluster deployment
* Developed Ansible playbooks for bring up cloudera cluster
* Developed **Jenkins pipeline** for automate on CD
* Developed shell script for start and stop all Hadoop ecosystem components
* Developed Dockerfile for building the **Nginx** container.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
* Built and deployed **CI/CD pipelines**.
* Orchestrated **CI/CD processes** by responding to **Git triggers**, human input, and dependency chains and environment setup.
* Used **CI/CD tools Jenkins**, Git/Gitlabs, Jira and **Docker registry/daemon** for configuration management and automation using Ansible.
* Created Containers in Docker.
* Trained staff on effective use of **Jenkins, Docker and Kubernetes**.
* Implemented continuous delivery framework using **Jenkins, Maven** on multiple environments.
* Provided guidance to development regarding effective microservice architectures.

**Project #2:**

**Comapany** : Smarten Spaces

**Role** : Devops Engineer

**Duration :** Apr 2017 to May 2018.

**Roles and Responsibilities:**

* Performed software **configuration/release management** activities for three different Java applications.
* Created monitoring capabilities for all pieces of the infrastructure.
* Installed and configured **Nexus repository manager** for sharing artifacts between internal teams and created proxy Nexus repositories to speed up the build process.
* Responsible **for installation & configuration** of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
* Created views to show health and performance of the infrastructure, containers, and the applications.
* Suggested and implemented the process of nightly builds and auto deployments for fast paced applications.
* Installed Continuous Integration Server Jenkins as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms. Shared the nightly build results with the teams.
* Designed Build and release methodologies for JAVA and DB2 applications and deployment.
* Streamlined release processes and software development process by standardizing the change control process, automation and code review.
* Maintained versions. Configurations and build policies for parallel releases and patches.
* Performed daily builds for managing the system test and UAT environments.
* Involved in installing, setting up of the class paths, configuring, maintaining and troubleshooting the system.
* Experience of merging changes from release branch to depot and resolving the conflicts occurred at the time of merge process.
* Coordinated with release manager and scheduled successful release for multiple projects.  
  Maintained servers used to build product releases. Installed daily builds on QA machines and ran preliminary performance smoke tests.
* Participated and helped the team in migrating source code repositories from Subversion to Clear Case.
* Supported the task of creating baselines and recommended the rebase of particular stream to different dev and test teams.
* **Creating tag, branch & setting up projects& build plans in CI tool (Jenkins**).

**Linux Administrator:**

**Comapany** : Smarten Spaces

**Duration :** July 2015 to Mar 2017

**Roles and Responsibilities:**

* Implementing proper User Administration and file System Management in Linux.
* Experience in Installation and Configuration of Apache web server.
* Experience in Monitoring & Health-Check of web and application server environments.
* Creating users and providing them with suitable permissions
* Account management for work place environment users. Setting up user accounts; assign privileges, and user permissions
* Installations and of apache web servers.
* Setting up of crontab jobs for scheduling few tasks.
* Volume management and Creating EBS volumes and assignment. For storage managing EBS and **S3**.
* Performed routine management of Linux environment like monitoring Disk Space and CPU Utilization.
* Configured volume groups and logical volumes, extended logical volumes for file system growth needs using Logical Volume Manager (LVM)
* Remotely coping files using SFTP, FTP, SCP, and WinScp.
* Created and modified users and groups with SUDO permission and NFS Configure.
* Regularly manage backup process for server and client data.
* Maintaining the Linux Firewall for network and implement to the network security.

Place: Bangalore Sai Kumar Maram

Date: