**Samala Sai Shiva**

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**PROFESSIONAL SUMMARY:**

* Having **5+** years of Experience as **DevOps and AWS Engineer** with CI and CD as per Agile Process in different environments (DEV, TEST, and STAGE & PROD).
* Devops experience with **Ansible, Docker, Jenkins and AWS**.
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like **GIT Hub and GIT**.
* Extensively worked on **Jenkins installing, configuring** and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
* Hands on experience on installation and Management of Jenkins and AWS Code Deploy, Code pipe line for CI and Sharing Artifacts respectively within the company.
* Hand on experience in delivering container based deployments using **Docker**
* Having knowledge on setting up and managing **Docker private repository**.
* Managing Amazon Web Services (AWS) infrastructure with automation and orchestration tools such as Ansible.
* Proficient in AWS services like **VPC, EC2, S3, ELB, Auto Scaling Groups(ASG), EBS, RDS, IAM, Route 53, Cloud Watch.**
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Created and configured elastic load balancers and **auto scaling groups** to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Extensive experience in setting up the **Kubernetes for the Docker** to handle cluster based containers.
* Implemented Testing environments for kubernetes and administrated the **kubernetes clusters.**
* Deployed and orchestrated the applications with Kubernetes.
* Integrated Kubernetes with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple host.
* Building/Maintaining **Docker container** clusters managed by **Kubernetes.**
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, tests deploy.
* Played a key role in automating the deployments on AWS using GitHub and Jenkins.
* Extensive experience in setting up the CI/CD pipelines **using Jenkins, Maven, Nexus, GitHub and AWS.**
* Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
* Written cloud formation templates create custom **VPC,** subnets, NAT to ensure successful deployment of web applications.
* Implemented domain name service (DNS) through **route 53** to have highly available and scalable applications.
* Created **EBS volumes** for storing application files for use with EC2 instances whenever they are mounted to them.
* Experienced in creating **RDS instances** to serve data through servers for responding to requests.
* Created **snapshots to take backups** of the volumes and also images to store launch configurations of the EC2 instances.

**EXPERIENCE SUMMARY:**

* Currently working as DevOps / AWS engineer at **Dreamztech**, in **Pune** from **Nov- 2018** to **till the date**.
* Worked as DevOps / AWS engineer at **Accenture**,from **Oct- 2015** to **Sep- 2018**.
* Worked as DevOps Engineer at **Tech Mahindra**, from **Aug-2013** to **Sep-2015**.

**EDUCATIONAL QUALIFICATION:**

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| --- | --- | --- | --- |
| **Qualification** | **Pass out Year** | **Pass Percentage** | **University/College** |
| B.TECH(mechanical) | 2013 | 59% | C.M Engineering college Hyd, JNTUH, Misammaguda. |

**TECHNICAL SKILLS:**

* Operating Systems : OEL 5.x/6.x, Red Hat Enterprise Linux 5/6/7, Windows
* Web Server : Apache HTTP Server, Apache Tomcat Server
* Build Tools : Maven
* Version Control : Git, GitHub
* Virtualization Tools : Docker,Kubernets
* Configuration Mgmt. Tools : Ansible
* Cloud : AWS
* Tools : SSH, Putty, WinSCP, Nagios.
* Scripting Languages : Shell scripting.

**PROJECT #1:**

**Project Name** : SNOWSTROM

**Role**  : Devops with AWS Engineer

**Duration** : Nov-2018 – Till date

**Environment** : Java/J2ee,Maven, Linux, GIT,Nexus, Shell Scripts, Tomcat,Jenkins,Ansible,AWS EC2, S3Cloud Formation, Cloud Watch, EBS,docker, Kubernetes.

**ROLES AND RESPONSIBILITIES:**

* Worked on Amazon Web Services (AWS) provisioning and hands on experience on AWS administrations like EC2, Elastic Load-balancers, S3, ElasticBeanstalk,CloudFront,Elastic File system, RDS, VPC, Direct Connect, Route53, Cloud Watch, Cloud Trail, IAM.
* Launching Amazon EC2 Cloud Instances utilizing Amazon Web Services (Linux/Ubuntu) and Configuring propelled examples as for particular applications.
* Setup and build AWS infrastructure with various resources like VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling.
* Configuring and Networking of Virtual Private Cloud (VPC)
* Creating S3 bucket and furthermore overseeing strategies for an S3 bucket and Utilized S3bucket and Glacier for storage and backup on AWS.
* Creating Cloud Watch alerts for instances and utilizing them in Auto-scaling launch configurations.
* Used file module in Ansible playbook to copy and remove files on remote systems.
* Utilized Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Deployed and orchestrated the applications with Kubernetes
* Building/Maintaining Docker container clusters managed by Kubernetes.
* Implemented a Continuous Delivery pipeline with Docker and AWS.
* Evaluated Composers for Docker container orchestration.
* Experience with building containerized applications using Docker images.
* Management and design of integrated build pipelines using continuous integration workflows such as Jira, Git, Jenkins, Docker, and Nexus.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS cloud Watch.
* Involved in configuring AWS EC2 instances on cloud platform using Ansible.
* Developed multiple Ansible playbooks to automate the deployment of the applications to different Prod/ QA Environments.
* Deployed JAVA/J2EE applications into Tomcat Application servers.
* Involved in creation of Build pipeline jobs for Java/J2EE application deployments.
* 24/7 on call supports for emergency site maintenance and immediate build and install requests.

**PROJECT #2:**

**Project Name** : GEMS(Global Equipment Management System)

**Client** : MATSON

**Role**  : Devops with AWS Engineer

**Duration** : Oct-2015 - Nov-2018

**Environment** : Java/J2ee,Maven, Linux, GIT, Nexus, Shell Scripts, Tomcat, Jenkins.

**ROLES AND RESPONSIBILITIES:**

* Managing Continuous Integration and Continuous Delivery (CI/CD) build jobs in Jenkins.
* Involved in Installation and configuring Git and Jenkins.
* Providing support to Git related issues.
* Configured Git to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* For on boarding existing application, performing knowledge transition from development team to SCM team on build and deployment process.
* Stored build artifacts into Nexus which are generated after Jenkins build jobs.
* Involved in creation of Build pipeline jobs for Java/J2EE application deployments.
* Writing (Modules) to automate infrastructure using (Ansible) and Configuring CRON Jobs for executing daily activities such as Backup/Archive etc...
* Integrate Unit Testing in Ant builds
* Responsible for weekly and daily work checks and backups.
* Supporting the project in 24x7 shift model.

**PROJECT #3:**

**Project Name** : Red Wood Trust and National Start Mortgage.

**Client** : FedEx,US.

**Role**  : Devops Engineer

**Duration** : Aug-2013 to Sep-2015.

**Environment** : Java/J2ee, Ant, Maven, Linux, GIT, Nexus, Shell Scripts,Tomcat, Jenkins.

**ROLES AND RESPONSIBILITIES:**

* Maintaining the source code in SVN for various applications.
* Creating the Branching Strategy for the parallel development.
* Configuration Management using Subversion.
* Configuring tools (flavors like Tortoise SVN) on windows.
* Maintaining the repositories (includes creating, deleting).
* Providing Access Rights to users.
* Tagging or Labeling (Base version, Build, Release), Branching.
* Giving Subversion support to developers and resolving trouble shooting SVN issues.
* **Prerequisites verification** before server go live like rpm's, oracle prerequisites, tuning kernel parameters, setting users limits ..etc
* Hands on experience on remote tools SSH and SCP.
* Password Aging Policies like Locking/Unlocking user accounts and resetting their passwords upon their requests.
* Experience on Develop, enhance and maintain the build and configuration management tool for continuous integration
* Worked as **GIT** administrator as part of my role and monitored the repository for various issues.
* Excellent interpersonal communication skills and efficient in working independently and as a team member. Proactive and creative approach towards work.