**Nalla Sravani**

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**Profile Summary**

* Overall **3.1 years** of professional experience in IT Industry as a AWS DevOps Engineer in the field of automation, software configuration management and cloud services.
* Provide support to the technical escalation from the team and Coordinate service calls and requests with team members where necessary.
* Implementation of CI/CD Pipeline Using: Jenkins, Dockers, Git, Maven, Chef in AWS Cloud.
* Experience in Building CI/CD Pipeline using Jenkins.
* Experience in working on source control tools like GIT, GitHub.
* Expertise in using build tools like MAVEN for the building of deployable artifacts such as war & jar from source code.
* Experienced in working on DevOps operations process and tools area (unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Creating and Managing Repository and Branches.
* WAR files Build and Deployment. Restart server once the deployment is completed.
* Developing shell scripting for deployments in to servers.
* Implementing continuous integration (CI) using Jenkins
* Creating Jobs in Jenkins. Running the jobs as per build calendar.
* Sending automatic emails through Jenkins if the job fails by installing extended plugins.
* If any Plug-in are required configuring the Plug-ins to Jenkins.
* Administration of Continuous Integration tool like Jenkins.
* Create and configure plans for every application in Jenkins.
* Automation of build and deployment process by configuring jobs in Jenkins for each application.
* Dockerized the Applications to reduce the cost and easy maintenance.
* Manage and configure AWS services as per the business needs (ELB, SNS, EC2, Route53, S3, RDS, CloudWatch, IAM, VPC)
* Creating Dockerfiles to build the images for different environments.
* Version control and source code management using GIT, GITHUB.
* Configured Jenkins Nodes to build jobs in order to distribute the load on Jenkins master and achieved parallel builds.

**Professional experience:**

* Working as software Engineer in **Cognizant,** Bangalorefrom Nov- 2018 To Till Date.

**EDUCATIONAL Qualification**

* B.Com **(Computer Applications)** from Osmania university- 2018.

**PROJECT DETAILS**

**Projects Undertaken:**

**Project #1 : Nationwide Group**

**Duration :** May,2020 - Till now

**Team Size :** 06

**Role :** DevOps Engineer

**Cloud :** AWS

**Roles and Responsibilities:**

* Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Coordinate/assist developers with establishing and applying appropriate branching, labeling /naming conventions using GIT source control.
* Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
* Included security groups , network ACLs , Internet Gateways , and Elastic IP's to ensure a safe area for organization in AWS public cloud.
* Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS.
* Work with other teams to help develop the Chef infrastructure to conform to various requirements including security and compliance of managed servers.
* Built a VPC , established the site-to- site VPN connection between Data Center and AWS.
* Help with the creation of dev standards for Chef module development including best practices for version control ( git ).
* Worked on JIRA for defect/issues logging & tracking and documented all my work using CONFLUENCE.
* Integrated services like GitHub , AWS Code Pipeline , Jenkins and AWS Elastic Beanstalk to create a deployment pipeline.
* Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
* Deployed Chef, Chef dashboard for configuration management to existing infrastructure.
* Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
* Resolving issues in the Dev, QA and UAT environments
* Writing Playbooks and Yaml scripts to customize the Ansible as per our environment.
* Experienced working in AWS Cloud Computing platform and many dimensions of scalability including EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto-scaling, Cloud Watch, Security Groups.
* Created IAM policies for delegated administration within AWS and Configure IAM Users/Roles/Policies to grant fine-grained access to AWS resources to users.
* Configured and managed Elastic Load Balancing (ELB), to avoid single point of failure of applications, thus providing high availability and network load balancing.
* Designing and implementing Continuous Integration process using Jenkins tool in close coordination with development and other affected teams
* Creating jobs using Jenkins. Manage installations of node, deployment configuration, and administration, backup. etc.,
* Leading several functions including:

**Project #2** : **American Express**

**Duration** : Nov,2018 – Apr,2020

**Team Size** : 04

**Role** :DevOps Engineer

**Cloud** :AWS

**Roles and Responsibilities:**

* Involved in designing and developing Amazon EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, and other services of the AWS infrastructure.
* Running build jobs and integration tests on Jenkins Master/Slave configuration.
* Managed Servers on the Amazon Web Services (AWS) platform instances using chef configuration management.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
* Branching, Merging, Release Activitieon Version Control Tool GIT. Used GitHub as version control to store source code and implemented Git for branching and merging operations for Java Source Code.
* Designed, built and coordinate an automated build & release CI/CD process using Gitlab, Jenkins and ansible on hybrid IT infrastructure.
* Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as Amazon Web Services (AWS).
* Responsible for monitoring the AWS resources using Cloud Watch and also application resources using Nagios.
* Created AWS Multi-Factor Authentication (MFA) for instance RDP/SSH logon, worked with teams to lockdown security groups.
* Involved in complete SDLC life cycle - Designing, Coding, Testing, Debugging and Production Support.