**Cloud & DevOps Engineer**

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PROFESSIONAL SUMMARY:

4+ years of experience in Software development industry. As a Cloud & DevOps Engineer which primarily includes handling (AWS and GCP) cloud operations like building new infrastructure based on client requirements & architecture and providing the support on various services the client is using from cloud stand point.

The services in DevOps which includes Project setup, Build Automation, Continues Integration SCM process improvements and GIT environment Setup.

with Combination of tools such as GIT, GITHUB, Jenkins, Docker, Kubernets, Maven, Nexus, ECR,GCR, Ansible and Terraform. So providing support and do Implementation.

* day starts with debugging errors and issues of Jenkins build failds and pods failures from respective teams.
* User management in AWS using IAM service.
* Writing and Updating Dockerfiles.
* Creating and managing Jenkins FreeStyle jobs for new deployements using ShellScripting.
* Maintaing Jenkins,Nexus,Maven servers by setup loggrotations and Storages.
* Checking and Debugging Kubernets pod failures like ImageCrashLoopback,Insufficient memory issues.
* Activly Participating in Deployements in Dev,STG,Prod Environments supporting those teams by checking confirmations on healths,log queries.
* having good Exposure with Writing Terraform Scripts and maintaing Terraform modules.
* Implementing ShellScripts for Optimize day to day Activies for servers not having down times(Storage and memory issues).
* Pro activly participating on Cost Saving Activies in AWS and GCP.
* Co-ordinating with Multiple teams for troubleshooting activities.
* having good knowledge on GIT and GITHUB. managing users on Orginazations in GITHUB.
* Well Understanding in RCA Activies for Future reference.
* Good knowledge on Kubernets service GKE and EKS. Creating clusters and provide access for users.
* Having experience with Kubernets workloads (Deployements,ReplicaSets,Hpa,DeamonSets,StatefullSets).
* Well Understanding with AWS services In project level(AutoScallingGroups,ALB,S3,CloudFront,Route53,VPC,RDS,IAM,SQS,EFS,SES,VPN,SG).
* creat Alerting setup for aws services and create POC's for new interactions tools.
* Good knowledge in GCP services IAM,ComputeEngine,GKE,VPC.
* Good exposure in writing Shell and PythonScripting for optimizing repeatative tasks.
* Setup and configure dev and Test Environments as per the client requiremetns.
* working experience on writing and updating helm charts for new version deployements.
* Having experience in ECS and ECR setup along with IAM,S3,CloudFront,ALB,ASG,Route53.
* handling Run time issues while deployements and production level.
* Good knowledge on deployements stratagies and failuover issues.
* Configure and managing jenkins for docker image build and push to respositories in ECR and GCR for different Environments(Dev,Stg,production).
* Good Exposure with Redhat and Ubuntu servers installing and managing Utils as per client requiremetns.
* having experience in file permissions user management storage mangement process management.
* having experience with configure helm charts deployements in automate way using (S3,gs,jenkins-freestyle jobs,Spinnaker,GKE,EKS)
* Add and remove users on Spinnaker clusters for Deployements activies.
* having experience in creating parameterized jobs,freestyle jobs,Upstream and downStream Jobs, Scripted and Declerative pipelines.
* Well Understanding on Security Concepts SSL,TSL,Self-Signed Certificates and Gcp managed certificates deployements.
* Configure VPN setups for client env to cloud.
* Activly particiting in Kubernets cluster upgrades for respective versions.
* Pro-Activly participating in Team meets for New technologies and automation implementation activies.
* Working experience with Ansible and Terraform tools.Writing and managing terraform modules and Ansible Roles.
* having working experience with AWS Image Build process with packer and Jenkins.
* Good Understanding with Securly deployements keys and secrets using with ansible vault, HasiCorp Vault, Parameter Store, AWS KMS.
* Good Understanding in providing security for users using cloud services with Iam, users, Groups,roles, policies,Orginazations.
* Good knowledge on AWS Trusted Advisor for remove and manage unused resources.
* working experience in System performance monitoring & tuning.
* Working experience in Network level Trouble shooting.

TECHENICAL SKILLS:

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| Operating Systems | Linux, Windows, Red Hat Linux, Unix, Centos. |
| Networking | TCP/IP, DNS, FTP. |
| Protocols | TCP/IP, SSH, HTTP, HTTPS |
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| Cloud services (AWS) | EC2, EBS, ELB, VPC, Subnets, Route tables, IAM, S3,  SNS, CloudWatch, Route53. |
| DevOps | Git, Github, Maven , Nexus, Jenkins, Docker, Ansible,Terraform |
| Code Quality Tool | SonarQube |
| Webservers | Apache, Nginx |
| Scripting Languages | Shell script, Python Scripting, Groovy. |
| Monitoring Tools | Grafana, CloudWatch, SumoLogic. |
| Infrastructure Management | Ansible, Terraform |
| Containerization Tool | Docker, Kubernetes. |
| Ticketing Tool | JIRA, Atlassian |

ORGANIZATIONS:

* Currently working with **Samsung R&D Institute India - Bangalore,** as a **Devops Engineer** from August 2017 to Till date.

PROJECT EXPERIENCES:

**#Project 1:**

Project : Bixby2.0

Environment : Git, Github, Maven, Jenkins, AWS, Ansible, Docker, Linux, Kubernetes,AWS,GCP

Spinnaker,Grafana,SumoLogic,Terraform.

Role : DevOps Engineer

**Project Description**: Samsung R&D Institute Bangalore has powered development and customization of many of its products, including Bixby and the 'social camera feature' on its latest smartphones.

**Responsibilities:**

* Automated build and deployment using **Jenkins** and **Spinnaker** to reduce human error and speed up production processes.
* Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management tools like **Jenkins** and **Ansible.**
* Installation, Configuration, Administration of **Jenkins for continuous integration.**
* Installed number of plugins in **Jenkins** for project requirement and Configured **Master and Slave** Nodes in Jenkins.
* Good experience in automating the process of uploading the packages from **Jenkins** using backup repository **Nexus**.
* Good knowledge in taking the backup using **Nexus**.
* Configuring the **Docker** containers and creating **Docker files** for different environments.
* Good knowledge in creating the **Docker Images** and configuring the images in Jenkins.
* Installing and configuring application servers for deploying artifacts as per project requirements. Launching and configuring of Amazon **EC2 (AWS)** Cloud Servers using **AMI's (Linux/Centos)** and configuring the servers for specified applications.
* Setup and managed security groups, **VPC**’S specific to environment.
* EC2 instances, Auto Scaling, Elastic Load Balance (**ELB**)and AMIs.
* Attaching or Detaching **EBS** volume to **AWS EC2** instance.
* Wrote Ansible playbooks and modules to deploy, configure, and manage servers
* Experience in Software Configuration Management tools on Windows environment and Linux using **GIT.**
* Data flow discussions with client- requirement specifications and Integrate Unit Testing, Code Coverage and Deployment tools with Jenkins.
* Deploying artifacts to environments Dev/Test/Stage/Production and Extensive knowledge in troubleshooting builds, deployment, configuration problems in development, QA and production environments.

academic qualifications:

Completed B.tech(E.C.E) from Pydah kaushik college of Engineering(vizag) in 2016.

**Date: Bhavani Prasad**

**Place:**