**BALA BHASKAR GUNTUPALLI Senior DevOps Engineer**

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**Summary:**

* IT professional with 5.2 years of experience in **DevOps, AWS, AZURE, GCP cloud and Linux administration.**
* AWS certified solution architect of associate level.
* Work Experience of Infra, storage, database, network and managed KUBERNETES cluster services in AWS, AZURE and GCP cloud.

**Professional Summary:**

**Experience in Designing and implementing complete DevOps Tool chain in AWS, AZURE and Google cloud.**

* Working as Senior DevOps Engineer **dealing with L3 Level issues**.
* Work experience of Design, lead and build an automated deployment tool set and infrastructure including environments, code management, CI and CD process.
* Work Experience of **deploying monolithic and micro service applications.**
* Work experience of mutable and immutable deployments.
* Work Experience of defining and setting best practices for code management, build, deploy and release across multiple teams / products in CI / CD model using **Jenkins, Docker, KUBERNETES in AWS, AZURE and Google cloud.**
* Expert on managing infrastructure in AWS, AZURE and Google cloud. Expert on compute and networking, storage and IAM services in all the above three public clouds.
* Work experience of design/author/promote enterprise level **Helm charts, dynamic injection of Secrets, load balancing Pod replicas using Service Object, DaemonSet, automate sharing of file system resources using Basic or Persistent volumes.**
* Working on the tools of GERRIT, Jenkins, ANSIBLE, Docker, KUBERNETES, TERRAFORM, PACKER, AWS and Azure part of my day to day responsibilities.
* Work experience of managing deployments with HELM charts KUBERNETES.
* Work experience related to authentication and authorization strategies and implementations in KUBERNETES, Jenkins, GERRIT, AWS and AZURE.
* Work experience KUBERNETES cluster administration, deployments and monitoring.
* Experience of infrastructure automation with **Packer and Terraform**.
* Work Experience of Docker container clustering with **Docker Swarm and KUBERNETS**.
* Work Experience managing Kubernetes cluster in AWS,AZURE, Google cloud and KOPS.
* Experience of using **promthesus for Kubernetes monitoring.**
* Experience of working with Virtualization tool **Vagrant.**
* Coordination experience with various teams’ like**Dev, QA and production Operations.**
* Experience in writing **shell scripts and python scripts.**
* Hands on experience in configuring SSL, Ngnix, Ha Proxy.
* Knowledge of administering large RDBMS deployments in AWS and AZURE.
* Work Experience of creating monitoring alerts in AWS cloud watch and nagios.
* Management of Nginx and Apache as web servers and tomcat and JBOSS as application servers.
* Experience of working with AWS services Ec2,S3,RDS,VPC, EFS, ROUTE53,SNS,IAM,CLOUD FRONT,
* Experience of working with AZURE services of virtual machines, networks, storage, ARM templates.
* Experience of working in Google cloud services like compute, storage, VPC.

**Academic Qualification:**

* B.Sc computer Science from **Acharya Nagarjuna University,2014.**

**Technical Skills**

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| --- | --- |
| Operating Systems | Windows and Linux |
| Build Tools | Maven, Gradle and SBT |
| CI/CD Tools | Jenkins |
| Database | MySQL |
| App Servers | Apache Tomcat. |
| Bug Tracking | JIRA and Service Now |
| Configuration Management | Ansible, chef |
| SCM Tools | GIT |
| Cloud Computing(Aws) | EC2,S3,Rds,vpc,Route53,SNS,cloud watch,cloudfront, cloud formation,dynamodb, IAM,elasticbeanstack |
| Google cloudplatform | Compute, storagre, kubenernetes, gke registery, IAM, VPC. |
| AZURE | Virtaual machines, networks, ARM templates ,Storage and AKS |
| Containerization | Docker |
| Orchestration | Kubernetes |
| Code analysis | Jaccoco and Sonar |
| Scripting Languages | Shell, Yaml and python. |
| Infra automation | Terraform, AWS cloud formation and GCP deployment manager. |

**Projects**

**Project 3**

Duration : Jan 2018 to till date

Organization : Inlore Technologies pvt ltd

Functional Area : [Application Programming](https://www.naukri.com/it-software-application-programming-jobs) and [Maintenance](https://www.naukri.com/maintenance-jobs)

Role : Senior DEVOPS engineer

Technical environment: Gerrit, Jenkins, Ansible, Docker, KUBERNETES, TERRAFORM,PACKER, GOOGLE cloud and AZURE

**Responsibilities:**

* **Working at every stage of DevOps tools according requirements.**
* Managing kUBERNETES managed cluster in GCP and AZURE.
* **Dealing infrastructure in GCP and AZURE cloud.**
* **Working with GCP cloud Services of compute, IAM, storage, VPC, cloud DNS and Deployment manager.**
* Managing the key infrastructure cloud components such as VNets, AKS,Load Balancing, Azure DNS, Azure Storage,Azure Blob and ARM templates.
* Work experience of deploying micro services applications in KUBERNETES cluster.
* Supporting two projects as DevOps engineer.
* Working with KUBENETS deployments with HELM charts.
* Managing KUBERNETES Pods, labels, annotations, ReplicaSets and Deployments, affinity, volumes, secrets.
* Working with **prometheus** monitoring.
* Work with terraform scripts for infrastructure creation and fault tolerance.
* Writing Ansible playbooks and modification of exiting playbooks.
* Working with **Helm charts, dynamic injection of Secrets, load balancing Pod replicas using Service Object, DaemonSet, automate sharing of file system resources using Basic or Persistent volumes.**
* Responsible for Environment Management and deployment automation, provision the infrastructure ofLinux environments. In addition, developing and supporting day to day release builds and deployments, improving existing infrastructure and services with upgrades, and consolidate existing tools.
* Designed CI/CD processes in the context of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools.
* Code management best practices such as branching , merging , and integration strategies.
* Troubleshoot problems arising from Build failures and Test failures.
* Build and deploy tools to make smooth pipeline transition in pre-production environments.
* Working for developers to issues related to local MAVEN build failures.
* Responsible for High availability Jenkins master and slave nodes.
* Verify Deployments logs to check for unsuccessful deployments.
* Maintenance of source code in GIT. Branching, codes merging between the branches
* GIT administration at contributor and collaborator level.
* Administered Continuous Integration tools Jenkins
* Scaling and managing deploying deployments kubernetes
* Working with Dockerfiles,docker swarm and docker compose.
* When ever created own Docker image push to private registry.
* Work closely with the software development team and other functional groups to develop and provide a robust , flexible and scalable platform ,CI/CD processes in the framework of a Jenkins orchestration, including the usage of automated build, test/QA and deployment tools.
* Maintained and upgraded Jira issue tracker, Sonar code review tool.
* Managed Version Control GIT Enterprise and Automated current build process with Jenkins with proposed Branching strategies to accommodate code in various testing cycles.
* Configured local Maven repositories with NEXUS repositories and scheduled projects in Jenkins for continuous integration.
* On call support of production infrastructure and applications. Business hours support for development systems.
* Scripting (BASH and Python) and building required automation and deployment tools.
* Implement infrastructure and architectural designs with close collaboration with engineering teams.
* Worked as administrator on CMM tools ANSIBLE and CHEF.

**Project 2**

Duration : October 2015 to OCT 2017

Functional Area : Application[Maintenance](https://www.naukri.com/maintenance-jobs)

Organization : clabse India Pvt ltd

Role :DEVOPS engineer

Tools : Jenkins, Git, Ansible, chef, Shell scripting and AWS cloud administrator.

**Responsibilities:**

* In this project worked as both devops and aws cloud support engineer roles for particular services.
* Worked with Jenkins server administration, managing slaves, creating jobs, managing artifact in artifact repository.
* Worked with git branches, gitwebhooks and merge conflicts.
* Writing chef cookbooks for web apps deployments into application servers.
* Used cookbooks, recipes, roles, run list to deploy web applications, application servers and vendor applications.
* Managed and Configured AWS services as per the business need (EC2, ELB, Route 53, S3, RDS, IAM, Cloud Watch,Route53, and VPC).
* Creating and managing HA setup in AWS. Worked with classic and application load balancer in AWS cloud. EBS volumes backup, snapshots and Ami management.
* S3 bucket management, s3 bucket policies and lifecycle policies.
* Linux administration and monitoring are part of day to day activities.
* Managed multiple AWS accounts with multiple VPC for both production and non –prod where primary objectives included automation, build, integration.
* Participate in troubleshooting, capacity planning, performance analysis, cost Analsyis and optimization activities.
* Working AWS cloud security aspects and application security.
* Managed and supported AWS security related issues such as IAM and S3 policies for user access.
* Created alarms in Cloud Watch service for monitoring the server performance.
* Day to day administration of the Development environment, Production and Test environment systems 24\*7 on-call support.

**Project 1**

Duration : July 2014 to September 2015.

Designation : Software Associate.

Role : Linux System Admin

Tools :Redhat ,Ubuntu and AWS coud.

**Responsibilities:**

* Worked as a Project team member for providing L2 support to clients on Linux.
* Managing EC2 machines in AWS cloud.
* Manual way of enabling two factor authentications of users in Linux with help of Google authenticator.
* Troubleshooting issues via Remote Technology Such as Remote desktop, Telnet and SSH.
* Managing nginx web server and tomcat application server.
* Managing EBs volumes, Backup of EBS volumes, snapshots in AWS cloud.
* S3 bucket data management, working with archival in AWS cloud.
* Monitoring System Performance issues like memory, CPU and Disk utilization of EC2 instances and monitoring RDS instances.
* Creating SNS subscriptions in AWS cloud.
* Data Compressing, Backup and recovery using tar command.
* User management including, creating users, managing user privileges, password management, user related SSH issues.
* Monitor and respond to incident support tickets daily.
* Creating file systems, Partition and managing Disk Quotas and ACLs (Access Control Lists) for users.
* Scheduling of automatic repetitive jobs with Crontab.
* Rotated continual 24/7 on-call support.

## EDUCATION

## Bachelor of Science in computer Science from Acharaya Nagarjuna University, Guntur, India.

**declaration**

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Bangalore

Date: Bala Bhaskar Guntupalli