

# Arasada Shivaramakrishna

## DevOps Engineer

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Multitalented Information Technology Professional with 2 years of experience in IT sector. Extensive technical knowledge and hands-on experience on AWS, DevOps, Automation and Microservices. Met highly complex objectives for Azure/AWS cloud implementation. Experienced in architectural skills to support applications and computing platforms on the cloud. Lead in the development of the technical solution for AWS. Received recognition for accountability from senior management. Ability to work both independently and as well as in a team environment. Self-motivated, passionate, energetic, result oriented, and a quick learner.



### Skills



AWS



Terraform



Jenkins



Docker



Maintenance and troubleshooting



Operational analysis



Kubernetes



### Work History



#### Aug 2019 - **DevOps Engineer**

**Current**

*Billion Info Pvt Ltd, Chennai, Tamilnadu*

- 2.3 Year's experience in IT industry of Development, Build/Release Management and Change/Incident Management performing duties such as monitoring, automation, deployment, documenting, support and troubleshooting.
- Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
- Selecting the appropriate AWS service based on data, compute, and security

requirements.

- Expertise in Amazon AWS Cloud Administration which includes services like: EC2, ECS, ELB, EBS, S3, VPC, IAM, SQS, CloudFront, RDS, Lambda, Cloud Watch, S3, SSM, and Auto scaling.
- Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
- Developing a Secure and Compliance Infrastructure using AWS Security Hub, Config, WAF, Guardduty, KMS, Secretes Manager and SSM.
- Exposure to AWS pillars of Well Architected framework like Operational Excellence, Security, Reliability, and Performance Efficiency & Cost Optimization.
- Created Terraform modules for various AWS resources for Infrastructure Automation.
- Experience on infrastructure Automation using Terraform by deploying reusable terraform modules in various environments with CI/CD pipeline.
- Extensively worked on Jenkins by installing, configuring and maintaining for continuous integration (CI) and for End to End automation for all build and deployments.
- Good knowledge in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
- Proficient in containerization of applications and services with the use of excellent open-source tools such as Docker.
- Responsible for creating different versions of Docker images and maintaining in private repositories ECR using Jenkins.
- Responsible for developing workflows to enable continuous integration and continuous delivery applications using Jenkins and deploying into ECS.
- Enhanced the developer user experience around AWS container consumption, by developing a CI/CD workflow using terraform templates to standup ECS clusters and allowing developers to define tasks to be deployed into ECS.
- Performed Installing and configuring Terraform and building the infrastructure using Terraform modules file.
- Written Terraform modules for AWS infrastructure as a code using Terraform to build staging, production environments.
- Written Terraform modules for various Azure resources like Azure Networking resources, AKS, ACR and ACS.
- Created CICD pipeline for building docker images, pushing to ECR and deploying into ECS clusters.
- Experience with Linux/Unix environments and scripting for Build and Release automation, Installations, Upgrades, Patches, Migration, and Trouble shooting.
- Experience in Administration/Maintenance of Source Control Management Systems and version control tools such as GITHUB and Git lab.
- Experience in system and application monitoring with Cloud Watch, New relic and Data Dog.

**Apr 2019 -  
Aug 2020**

## **Cloud Administrator**

*9acts Cloud solutions, Chennai, Tamilnadu*

- Build and configure a virtual data center in the Amazon Web Services cloud to support Enterprise Data.
- Warehouse hosting including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
- Created Buckets in AWS and stored files. Enabled Versioning and security for files stored.
- Implemented and maintained monitoring and alerting of production and corporate servers/costs using Cloud Watch.
- Written Terraform modules for various AWS resources.
- Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Elastic Beanstalk, Auto scaling, Cloud front, Cloud watch, Cloud Trail, Cloud Formation, Security Groups.
- Deployed and Responsible for building and releasing packages for testing.
- Performing clean builds according to the schedule published for a given releases.
- Responsible for deleting the old deployed code and deploying the newly built code using Jenkins, Updated and automated Release reports for Change Management.
- Supporting Local System Administrators to troubleshoot Configuration Management and Network issues.
- Analyzing and recommending hardware and software needs and installing them.
- Documented release, builds and source control processes and plans.
- Worked closely with the development team. Coordinated the build and deployment bottlenecks with the development team.
- In charge of reviewing existing manual Software Builds, developing scripts to automate repeated tasks that are more susceptible to errors and risks using Shell scripting.



## **Education**

**Jul 2013 -  
Nov 2017**

### **B.tech: Mechanical Engineering**

*Malla Reddy College of Engineering - Hyderabad*