

P. Srinivasa Rao

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Location: Bangalore. India

Professional Summary:

- A Cloud enthusiastic team player having around 3+ years of Experience in IT industry as a DevOps Engineer with proven expertise in Automation, Build/Release Engineering and Software development involving cloud computing platforms like Amazon Web Services (AWS), Google Cloud (GCP).
- Extensively worked ON JENKINS, and Team city for continuous integration and for the end to end automation for all build and deployments including setting up pipeline jobs and upstream/downstream job configurations in Jenkins.
- Experience in designing a Terraform and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, GKE clusters, create service accounts, STORAGE, FIREWALL SETUP, COMPUTE Engines in public and private subnets along with Auto scaler in Google Cloud Platform.
- Implemented ARC42 Documentation for project strategy
- Involved scrum ceremonies (grooming, sprint planning, retrospectives, daily stand-ups, etc
- Experienced Atlassian products like JIRA, CONFLUENCE, Bitbucket
- Implemented AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Formation Autos calling, IAM, S3, R53
- Setting up Jenkins on Google Kubernetes Engine and install needed plugins
- Create clusters in Google Cloud and manage the clusters using Kubernetes(k8s). Using Jenkins to deploy code to Google Cloud, create new namespaces, creating docker images and pushing them to container registry of Google Cloud.
- Configure ELK stack in conjunction with AWS and using LogStash to output data to AWS S3.

- Expertise in creating Kubernetes cluster with terraform templates and deploy them in AWS environment and monitoring the health of pods using Helm Charts.
- Expertise in setting up Kubernetes (k8s) clusters for running microservices and pushed microservices into production with Kubernetes backed Infrastructure. Development of automation of Kubernetes clusters via playbooks in Ansible.
- Experience in keeping up and looking at log archives using monitoring tools like CloudWatch, ELK Stack, Prometheus,
- To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.
- Can manage AWS cost cutting by writing the Ansible playbook for auto start/stop of AWS resources at time of the day by triggering it from Jenkins.
- Managing 24x7 support for clients on AWS Cloud across various regions.

Technical Skills:

Cloud Platforms: AWS, GCP

Production Operation Management : DevOps

Programming language : Basic Python

Network Protocol's: HTTP, DHCP, DNS, FTP, TCP/IP, SMTP

Databases: MongoDB

Software/Tools: Jenkins, Docker, Kubernetes, Ansible, Terraform, Team city ,Bundlewrap

Build Tool: Maven

Version Control Tools: Git

Atlassian products: Jira, confluence, Bitbucket

Agile/Communication tools: Scrum Master, Retrospective, Mira, Slack

Monitoring Tools: Stack driver, cloud watch, Prometheus

Operating Systems: Red Hat Linux, Ubuntu, OpenSUSE, Windows, Parrot, MANJARO

Awign Enterprise private limited

JAN 2022 – Present

Senior DevOps Engineer:

Roles & Responsibilities:

- Hands-on experience setting up EKS Clusters for running microservices. Took several microservices into production with Kubernetes backed Infrastructure.
- Very good understanding of Microservices architecture, adapting Industry best practices for Microservices while we break down existing apps into micro services.
- Created projects, VPC's, Subnetwork's, GKE Clusters for environments QA and prod using Terraform Created projects, VPC's, Subnetwork's, GKE Clusters for environments.

Zoomcar India Private limited

MAY 2021– Nov2021

DevOps Engineer

Roles & Responsibilities:

- Deploy angular application into aws S3 static web hosting and Cloudfront distribution
- Involved in CI/CD process using GIT, Nexus, Jenkins job creation, Maven build and Create Docker image and use the docker image to deploy in eks clusters.

- Worked on EKS Topology Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers EKS Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers
- Create custom log metrics using cloudwatch logging and create charts and alerts using the custom log metrics.
- Worked on Jenkins file with multiple stages like checkout a branch, building the application, testing, pushing the image into ECR, Deploying to QA, Acceptance testing and finally Deploying to Prod

Environment: AWS, GIT, Jenkins, confluence, Miro, Scrum master, Ubuntu, Nginx, Terraform, Docker, Kuberbetes,

SPAK technology Private Limited. Bangalore

March 2020 – May2020

DevOps Engineer (GCP & AWS)

Roles & Responsibilities:

- Worked on google cloud platform (GCP) services like compute engine, GKE, CLOUD load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
- Involved in CI/CD process using GIT, Nexus, Jenkins job creation, Maven build and Create Docker image and use the docker image to deploy in gcloud clusters.
- Worked on GKE Topology Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers GKE Diagram including masters, slave, RBAC, helm, kubectl, ingress controllers
- Create custom log metrics using Stack driver logging and create charts and alerts using the .custom log metrics.
- Worked on Jenkins file with multiple stages like checkout a branch, building the application, testing, pushing the image into GCR, Deploying to QA, Acceptance testing and finally Deploying to Prod
- Hands-on experience setting up EKS Clusters for running microservices. Took several microservices into production with Kubernetes backed Infrastructure.

- Very good understanding of Microservices architecture, adapting Industry best practices for Microservices while we break down existing apps into micro services.
- Developed strategy for cloud migration and implementation of best practices using GCP services like database migration service, server migration service from On-Premises to cloud.

Environment: Google Cloud Platform (GCP), AWS, GIT, Jenkins, JIRA, confluence, Miro, sentry Scrum master, Ubuntu, MongoDB, Nginx, RHEL 8, Terraform, Docker, Kubernetes, Bundlewrap, Ansible

Agnes Softech Private Limited. Hyderabad

July 2018 – Jan 2020

DevOps Engineer

Roles & Responsibilities:

- Used CI/CD tools Jenkins, Git, Jira and Docker registry/daemon for configuration management and automation using Ansible.
- Configured security and system in Jenkins. Added multiple nodes to Jenkins and configured SSH for continuous deployments.
- Provisioning Jenkins environment for continuous integration (CI) re by easing build and testing tasks for developers.
- Performed AWS Cloud administration managing EC2 instances, S3, SES and SNS services.
- Created Buckets in AWS and stored files. Enabled Versioning and security for files stored.
- Used Ticketing tool JIRA to track defects and changes for change management, monitoring tools like CloudWatch in different work environments in real and container workspace.
- Created alarms, monitored & collected log files on AWS resources using CloudWatch on EC2 instance which generates Simple Notification Service (SNS).

- Developed and deployed scripts by configuring Maven build tools in Jenkins to automate software development process.
- Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
- Experience in deploying system stacks for various environments like Dev, UAT, Production on cloud infrastructure.
- Managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, managing existing servers and automation of build/configuration of new servers.
- Ensured System Uptime by monitoring production systems and responding to issues with corrective action.
- Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 bucket.
- Run and Deploy the application environment using Elastic Beanstalk
- Using Nagios monitoring system to monitor the production server environment.
- Analyse and resolve conflicts related to merging of source code for GIT
- Involved in Research of the project application to support/resolve build, compile, and test issues/problem

Environment: AWS,GCP, Linux, Git, Maven, Nexus, SonarQube, Jenkins, Ansible, Docker, Kubernetes, Nagios, TERRAFORM, EC2, RDS, ELB (Elastic Load Balancing), S3, Cloud watch, Cloud Formation,Route53, Nagios, Jira, SHELL, VPC, Autoscaling, Nginx, Tomcat, Blue/green deployment, Elastic Beanstalk

Agnes Softech Private Limited. Hyderabad

Sep 2016 to Feb 2018

Linux System Administrator

Roles & Responsibilities:

- Installing operating systems Linux and windows according to business requirements.
- Worked on cron in Linux servers for managing the logs of the web servers.
- Maintained and executed build scripts by coordinating with development and QA teams.
- Monitor progression of releases and keep them on track for delivery on planned release date
- Worked on different VMware products like VMware workstation
- Install Packages and update to its stable version without losing data
- Managing file system permissions for users and groups and apply system policy
- Provided assistance to developers in resolving problems.
- Responsible in doing build and deploying on different environments simultaneously.
- Managing Linux Infrastructure and involving maintenance of the servers and troubleshooting problems in the environment.

Environments: Linux, Windows, VMware, Apache Tomcat, PostgreSQL, Ms SQL, Networking

Internship: SB Technology Services Pvt Ltd. Hyderabad

System Administrator, DBA

Roles & Responsibilities:

- Linux and Windows Systems administrator with experience configuring, monitoring, upgrading and maintaining systems hardware, software and related infrastructure.
- Operating Systems installation using ftp, nfs, http

- Administered databases including backups/restores, performance monitoring, disk usage, and report gathering using SQL.
- Created and mounted a Linux File System
- Perform create Backup and Recovery policy
- Installed and configured PostgreSQL and MS SQL databases for database developers.
- Maintain documentation regarding network configuration and troubleshooting procedures and services relating to network hardware or software
- Reporting issues and recommending process improvements to other teams to minimize queries and problems arising and to increase customer satisfaction levels

Environments: Linux, Windows, VMware, Tomcat, PostgreSQL, SQL server, Manual testing , core java

Education: B.tech Mechanical from JNTUK University [2012-2016]