Siva P

DevOps - 4+ Years Experience

Mobile: +91 7780100289
E-mail: scmsiva40@gmail.com

CAREER OBJECTIVE:

To work with a reputed organization having a challenging and growth oriented environment, where potential plays the key role so that I can utilize my skills to produce efficient and robust software within the time bounds and strive for the collective growth and development of the organization.

PROFESSIONAL SUMMARY:

- ✓ I have **4+** years of experience in the IT industry with Devops, Automation of Build, Deployment and Release Management and Change Management activities Using Agile Methodology.
- ✓ **Build** and **deployments** under different environments starting from development to testing, integrated and production.
- ✓ Working Experience on **AWS** Cloud **EC2, S3, EBS, VPC, ELB, Autoscaling, ECR, EKS, IAM, Lambda, SNS**.
- ✓ Proficient with container systems like **Docker** and container orchestration like **Dockerswarm**, **Kubernetes**
- ✓ Good experience in using containerization technology **Docker**, worked on creating Dockerfiles, building images, Docker compose & Docker swarm technology.
- ✓ Experience managing and working with configuration management tool - **Ansible**
- ✓ Extensively worked on **Jenkins** for continuous integration and for End to End automation for all build and deployments.
- ✓ Experience in **CI** and **CD** Pipeline Creations.
- ✓ Work experience in **Version Control tools** like **GIT** and **Build tools** like **Maven.**
- ✓ Experience on Deployment process for servers like Apache Tomcat application server
- ✓ Working with **Shell Scripting**..
- ✓ Experience in administration of **MySQL and MongoDB**.
- ✓ Managing **Cloud watch** for monitoring critical system health, performance, security, disk usage.
- ✓ Working with the **ELK** (Elastic Search, Logstash, Kibana) stack to analyze log data.
- ✓ Working with **Bitbucket**, Creating Repositories, Users, Group permissions, Webhooks
- ✓ Worked on **Nexus** Migration from 2.x to 3.x
- ✓ Updated **python** modules using **Ansible** playbook.

PROFESSIONAL EXPERIENCE:

➢ Working as **Sr. DevOps Engineer** for **CloudifyOps Pvt Ltd**., Bangalore from **Sep-2018 to Till Date.**

➢ Worked as **DevOps Engineer** for **Soulstice Software Solutions Pvt Ltd.**, Hyderabad From **Feb - 2017** to **May - 2018**.

EDUCATIONAL QUALIFICATIONS:

❖ **MCA** (Master of Computer Applications) from **PVP Siddhartha Institute of Technology**, Vijayawada in **2014**.

TECHNICAL SKILLS:

CI & Deployment Tool	Jenkins
Cloud Management Tool	ECS, ECR, EC2, Route53, VPC, Amazon S3, Lambda, Cloudfront, IAM.
Container orchestration	Kubernetes
Cloud Cost Optimisation Tool	Insisive
Scripting Languages	Shell Scripting
Configuration Management	Ansible
Container Virtualization	Docker and AWS ECS
Code Analysis Tool	SonarQube.
Repository Manager	Nexus.
Monitoring Tool	ELK, AWS Cloud Watch
Hyper-converged Appliance	VXrails
SCM tool	Git, BitBucket
Operating systems	Windows, Linux
Build Tools	Maven
Database Technologies	MySQL, MongoDB and PostgreSQL
Load Balancer	AWS Load Balancer and Apache Load Balancer

PROJECT - 4:

Project Name   : Engineering Services
Duration   : Apr 2020 – Till Date
Role   : Sr. DevOps Engineer
Environment   : Bitbucket, Jenkins, Docker, Ansible, Nexus, SonarQube & AWS

Description: Migrating Nexus from 2.x to 3.x. We are moving from old legacy VM to new VX rails VM. Sonarqube server setup.

Roles & Responsibilities:

- Jenkins, SonarQube and Nexus migration.
- Distributing the regression tests to multiple Docker containers and reducing the time of execution of Jenkins builds from 9 Hrs to 3 Hrs.
- Using Configuration management tool Ansible for managing AWS Infrastructure.
- Used Ansible for automating a few day today activities in our Infrastructure.

PROJECT - 3:

Project Name   : AWS Cost Optimization
Duration   : Nov 2019 – Apr 2020
Role   : Sr. DevOps Engineer
Environment   : AWS, Bitbucket, Jenkins

Description: AWS Cost Optimization project to save cost on AWS Resources.

Roles & Responsibilities:

- Daily reports on cost governance rules for EC2, ELB, EIP, EBS Volumes, AMIs, Snapshots, Public S3 buckets, VPC, Public IP of EC2 resources, which will provide insights to the team to let go of resources that are no more a value add.
- Used Boto scripts to get inventory of AWS Resources
- Created Tags for various business unit, To see the billing for specific project
- Implemented Schedulers for EC2 instances to save the costs.
- Implemented security - IAM Password policies, MFA, AWS config enabled, S3 Bucket (no public access), etc.,
- Fixing the security loopholes
- Stopping/Termination of resources that are not in use.
- Evaluating current infrastructure and provide recommendations to downscale the appropriate workloads, while ensuring the performance of the infrastructure and applications is not affected.
- Implementing a schedule to stop and start the instances when not required.
- Leveraging spot instances to support the daily activities without spending on "On Demand" instance.

PROJECT - 2:

Project Name   **: ENGPI (Engineering Productivity Improvement)**
Duration   : Oct 2018 – Nov 2019
Role   : Sr. DevOps Engineer
Environment   : Jenkins, Sonarqube, Docker, Jacoco, Maven, Ansible Kubernetes

Description: ENGPI Project used for Parallel integration tests. Previously it was running on a single server. Now we dockerized.

Roles & Responsibilities:

- Dockerized all the process
- Seperated Test groups and run on different containers
- Implemented jacoco for code coverage
- Implemented sonarqube for quality gate.
- Automated with jenkins pipeline.
- Configured If the test fails, it will display in jenkins console output.
- Worked on flaky to rerun the failed tests.
- Managing and Administrating Jenkins tool includes creating Project AD groups and Access Permissions and setting up Permissions
- Done POC implementation same process with kubernetes.

PROJECT - 1:

Project Name   **: Soulpay**
Duration   : Feb 2017 – May 2018
Role   : DevOps Engineer
Environment   : Git, Maven, Jenkins, Linux, Ansible, MongoDB, Docker and AWS

Description: Soulpay is a mobile money platform based on open source standards. It offers cashless services to subscribed customers with capabilities such as: cash-in, cash-out, remittance, bill payment, bulk payment, offline payment, wallet aggregation and interoperability, approval management, debit card integration and block chain. It is crypto wallet enabled.

Roles & Responsibilities:

- Customize deployment process using Linux shell to automate the overall deployments
- Troubleshooting and resolved issues in DEV, QA, SIT, UAT, PROD Environments.
- Installation and Troubleshooting Jenkins Build Issues.
- Regularly updating JIRA Tickets along with their status.

- Administration/ Management experience of source control management systems like GIT
- Build Pipeline and creating Jobs and scheduling jobs in Jenkins CI tool
- Worked on Jenkins jobs and Build, and deployment.
- Creating automated build and release environment using continuous Integration tool Jenkins.
- Automating deployment scripts using Linux and Unix.
- Experience in AWS Resource creation and very good knowledge on AWS.
- Experience in Amazon Web Services (AWS) EC2 instance creation and VPC setup activities.