

Surya Teja

DevOps Engineer

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PROFILE SUMMARY

Have total 7+ years of experience as a Build, Release and DevOps Engineer in the fields of automation, configuration management, Cloud services, Continuous Integration and Continuous Deployment processes.

- Experience in AWS cloud services such as EC2, EBS, IAM, VPC, S3, ELB, Route53, Auto Scaling, Cloud Formation, Lambda, ECR, ECS, Fargate, CloudWatch, Cloud trail, Beanstalk.
- Experience in using Git, Jenkins, Ansible, Docker, Kubernetes, Terraform and AWS cloud services which reduce the effort of developers and operation teams in performing maintenance and daily operations.
- Hands on Experience using Version control systems like Git and GitHub. Source code management concepts such as branching and merging. Restrict the Branch Rules for Push and Pull Request.
- Hands on Experience installing, configuring, and administering Jenkins. Build complex pipeline for Continuous integration and Continuous deployment by using Jenkins. Build automation using Maven for building of deployable artifacts (jar, war,) and storing them in Nexus artifactory management tool.
- Creating nodes in Jenkins, which distributes the loads and runs the jobs parallelly.
- Experienced in configuration management tool Ansible. Deployment, writing playbooks to install, uninstall, upgradation, system health checks, installing the packages like Node Exporter, Redis, MongoDB, Apache Tomcat, MySQL, Nginx.
- Experienced in Ad-hoc commands and creating roles in ansible for reusability and scalability.
- Experienced in Writing Docker File, Docker Images, Docker Containers, tagging and pushing to Artifactory, writing Docker files for python, java applications deployment.
- Having working experience in Kubernetes orchestrate the deployments, scaling and management of docker containers for high availability zero downtime deployment.
- Design highly available, cost effective and fault tolerant systems using multiple EC2 Instances, CloudWatch metrics, Auto scaling, Elastic Load Balancer.
- Have good experience in Tableau and SAP BusinessObjects
- Good experience in Cloud Formation, terraform to build infrastructure in AWS.
- Design roles and groups for users and resource tags using AWS Identity and Access Management (IAM).
- Monitoring the services by using monitoring tools like cloud watch, Prometheus, Grafana, Node Exporter.

SKILLS

Cloud Technology	AWS
Operating System	RHEL, Centos, Ubuntu and Windows
SCM tool	Git, Github,
Bitbucket Continuous Integration tool	Jenkins/Hudson,
GitHub Actions Configuration tool	Ansible
Containerization	Docker
Build tool	Maven
Code coverage tool	Sonarqube
Artifactory tool	Nexus
Web Servers	Apache, Nginx, Jboss
Container orchestration	Kubernetes, ECS
Fargate Infrastructure Management	Terraform, Cloud
Formation Monitoring tool	Prometheus, Grafana, Node Exporter
Scripting Languages	Shell, Python

EDUCATION

- Bachelor of Technology (BE), Jawaharlal Nehru Technological University, Hyderabad, India, (2008-2012)

EXPERIENCE

- Senior Consultant, **Wissen Infotech**, Hyderabad (Jan'2014-Till Date)

PROJECTS SUMMARY

Role: Senior DevOps Engineer

Client: Wabtec

Responsibilities:

- Creating CI/CD pipelines by integrating Git, GitHub, Maven, Jenkins, Apache tomcat for Java applications.
- Worked on Branching and Merging, Resolving Branching Strategy maintaining Branching strategy using GIT.
- Effective use of Staging, Commit, Push and Pull mechanisms to keep changes in GitHub.
- Installing and configuring Jenkins, installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.
- Analyze and resolve conflicts related to merging of source code for GIT.
- Creating Jenkins build jobs (Continuous, Nightly, release) based on the requirement.
- Implemented Continuous deployment (CD) push button deploy using Jenkins.
- Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
- Installed and configured Jenkins and created parameterized jobs to kick off build for different environments.
- Effective use of Plugins for Jenkins backup.
- Worked with Maven directory structure, plug-in, and repositories to build a project.
- Researched and implemented code coverage and unit test plug-ins like Find Bugs, Check style and PMD with Maven.
- Scheduled Cron jobs for job automation.

Role: Senior DevOps Engineer

Client: Globel Tel

Responsibilities:

- Created and configured AWS EC2 instances using preconfigured templates such as AMI, RHEL, Centos, Ubuntu as well as used corporate based VM images which includes complete packages to run build and test in those EC2 Instances.
- Implemented AWS Lambda functions to run scripts in response to event in Amazon Dynamo DB table, S3 buckets, HTTP requests using Amazon API Gateway.
- Worked on PowerShell/Bash scripts to gather resources metrics from AWS EC2 Instances, and configured Alerts and Dashboards using AWS CloudWatch Monitoring.
- Experience in real-time monitoring and alerting of applications deployed in AWS using Cloud Watch, Nagios, ELK stack and Splunk.

Role: DevOps Engineer

Client: SBISS

Responsibilities:

- Writing Ansible playbooks and uploading playbooks to nodes to maintain the infrastructure up to date.
 - Setting up Jenkins and integrating with different tools, administrating Jenkins, plugin installation and master/slave setup.
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- Creating and managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS) based on usage.
- Managing and deploying containerization cluster using AWS ECS Fargate.
- Resolving merge conflicts in Git by manual merging.

Role: DevOps Engineer

Client: Intuitive Sergicals

Responsibilities:

- Involved in DevOps Automation (CI/CD), Build and Deployment.
- Writing Jenkins file for continuous integration and ContinuousDeployment.
- Familiarity with SCM tools such as GIT, including branching and merging Strategies.
- Enable Branch rules for merging and pull request.
- Managing EC2 instances, tagging instances, creating and managing user access via IAM.
- Taking snapshots of AMI. Managing volumes, taking snapshots for volumes and restore them when required.
- Configuring VPC, adding subnets, modifying route tables and ACL's to implement security.

Role: Consultant

Client: Pidilite

Responsibilities:

- Design, investigation, and implementation of public facing websites on Amazon Web Services (AWS).
 - Using Jenkins, Amazon Web Services (AWS) Code Deploy plugin to deploy to AWS.
 - Configured Elastic Load Balancers with EC2 Auto scaling groups.
 - Created a universal CloudFormation template where the environment's values are dynamically calculated based on client specific parameters during deployment.
 - Configuration of VPC, security groups, launching instances, databases and configuration of storage in AWS using EC2, S3, Route 53
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