Suresh Babu
PHONE :
EMAIL : +91-
PROFESSIONAL SUMMARY :

Around 5 years of experience in DevOps/Cloud Engineer experience to understands the melding of operations and development to quickly deliver code to customers. Promotes cloud platform and automation approaches to real-time infrastructure, application deployment and monitoring processes.

Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing and implementing and Post-production analysis of the projects.

Expertise in AWS Cloud IaaS stage with components VPC, ELB, Security Group, EBS, AMI, Cloud Watch, CloudFront and Direct Connect.

Worked on version control systems like Subversion and GIT and used Source code management client tools like SVN, Bitbucket, GIT Bash, GitHub, GITLAB, GIT GUI and other command line applications.

Worked with Docker for convenient environment setup for development and testing.

Worked on Docker container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.

Automated cloud infrastructure using Chef, Ansible and Terraform on multiple Cloud Servers.

Ability to build deployment, build scripts and automated solutions using shell scripting, Groovy and Python.

Have a good knowledge of Nagios and experience in monitoring tools like Splunk.

Experience on installation, configuration and maintenance Red hat, CentOS and Ubuntu at multiple Data Centers.

Experience in using protocols like HTTP, SSL, DHCP, DNS, LDAP and assisted developers in troubleshooting.

Knowledge in managing multiple corporate applications into GitHub code management repositories and creating user level of access for related GitHub project directories to the code changes.

Maintaining, branching and tagging the versions across the environments using SCM tools like GitHub, Subversion (SVN) , Perforce, Tortoise SVN and Rational ClearCase on Linux and windows platforms.

Skilled in various Bug tracking tools like JIRA and Remedy.

Setup and build AWS infrastructure using various resources, VPC EC2 , RDB, S3 , IAM, EBS, Security Group, Auto Scaling, SES, SNS and RDS in Cloud Formation JSON templates, Route53 , Lambda.

Worked on AWS for deploying EC2 instances consisting of various flavors viz., Oracle Linux, RHEL, CentOS, Ubuntu and Solaris in both Linux and Windows.

Experience in real-time monitoring and alerting of applications deployed in AWS using Cloud Watch, Cloud Trail and Simple Notification Service to maximize resource allocations.

Experiences on setting up databases in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket.

Experiences in Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication.

Experience in migrating various Java Applications from On Premise to AWS.

Good knowledge on IIS, Tomcat, Apache, WebSphere, JBoss, WebLogic, Nginx, Open VPN, and Experienced in Bug Tracking tools like JIRA, BUGZILLA, Mantis and Trac.

Experience in migrating various Java Applications from On Premise to AWS.

Expertise in troubleshooting at System level, Application level, Network level sues generated while building, deploying and in production support.

Managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, managing existing servers and automation of build/configuration of new servers.

Technical Skills :
Operating Systems Windows 7/XP/2003/2000 , LINUX, UNIX, RHEL
Web/Application Servers Tomcat, Web logic, Apache, Nginx, JBOSS
Languages C, C++, Shell, Groovy, Python, Yaml
Version control GitHub, Subversion, Perforce
Bug Tracking Tools JIRA, Bugzilla, Remedy
CI Tools Hudson/Jenkins, TeamCity

Provisioning Tools Terraform, Cloud Formation
CM/Provisioning Tools Ansible, Chef
Database My SQL, Sybase, Oracle DB 10g and 11g.
Monitoring Tools Cloud Watch, Nagios, Splunk
Virtualization Technologies Docker, Kubernetes.
Networking/Protocols DNS, Telnet, LDAP, TCP/IP, FTP, HTTP, HTTPS, SSH, SFTP, SCP
Cloud technologies Amazon Web Services (AWS) , GCP , Azure

Professional Experience :
worked as a Senior DevOps Engineer in L&T Technology Services from Nov 2019 to Sep 2020.
Worked as a DevOps Engineer in Yaska Technologies India Private Limited from July 2015 to Nov 2019.

Work Experience :
Company Name : L & T Technology Services

Project1 :
Roles & Responsibilities :

Involved in DevOps migration/automation processes for build and deploy systems.
Setting up a continuous build environment to speed up software development and deployment process.
Migrated Containerization applications from Openshift Platform to GKE Cluster.
Developed a single shared library to support monolithic and containerization applications CICD integration process.
Developed Docker files to create customized docker images as per applications requirement.
Developed Helm chart to deploy applications to GKE cluster.
Automate existing processes.
Worked on terraform modules to provision the public cloud infrastructure.
Automated deployment of builds to different environments using Jenkins
Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
working with engineering and operational teams to ensure systems are secure, scalable, and reliable.
Ability to review deployment and operational environments, i.e., execute initiatives to reduce failure, troubleshoot issues across the entire infrastructure stack, expand monitoring capabilities, and manage technical operations.
Architecting overall, comprehensive, and efficient practices.
Supported the code builds by integrating with a continuous integration tool (Jenkins) .
Configured and maintained codebase to support the build and deployment of code on servers.
Design and build solutions that move data from internal solutions to cloud-based solutions.
Analyzing, executing, and streamlining DevOps practices.
Facilitating development, Testing process and operations.
Automating processes with the right tools.
Establishing a suitable DevOps channel across the organization.
Project 2 :
Roles & Responsibilities :

Set up end-to-end automation with CI/CD to build and deploy the application very secure, stable and effectively.
Design, manage and execute tools and scripts to develop different versions of products on wide-range operating systems.
Worked with IAM service creating new IAM users & groups, defining roles and policies and Identity providers.
Created AWS Route53 to route traffic between different regions.
Build servers using AWS, Importing volumes, launching EC2 , RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
Involved in provisioning AWS S3 buckets for backup of the application and sync these contents with remaining S3 backups, by creating an entry for AWS S3 SYNC in crontab.

Managed EC2 instances utilizing Launch Configuration, Auto scaling, Elastic Load balancing, automated the process of provisioning infrastructure using Cloud Formation templates, and used CloudWatch to create alarms and monitor environments.

Migrating the present Linux environment to AWS by creating and executing a migration plan, deployed EC2 instances in VPC, configured security groups &NACL's, attached profiles and roles using AWS Cloud Formation templates and Ansible modules.

Implemented CI/CD pipeline using Jenkins2.3 ,Ansible Playbooks and Ansible Tower.

Scheduled automated nightly builds using Jenkins.

Created Master-Slave configuration using existing Linux machines and EC2 instances to implement multiple parallel builds through a build farm, expertise in troubleshooting build and release job failures

Deploying and maintaining production environments using AWS EC2 instances and Elastic Container Services with Docker.

Implemented Ansible to manage all existing servers and automate the build/configuration of new servers and used Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.

Used Ticketing tool JIRA to track defects and changes for change management, monitoring tools like New Relic and Cloud Watch in different work environments in real and container workspace.

Managed Ansible Playbooks with Ansible modules, implemented CD automation using Ansible, managing existing servers and automation of build/configuration of new servers.

Worked with Ansible for Orchestration of Deployments for various servers.

Writing Ansible playbooks, replacing the dependency on Chef Cookbooks and Chef Recipes to automate infrastructure as a code.

Managed the configurations of multiple servers using Ansible. Involved in support and upgrade of Ansible from 1.x into the 2.x version on servers Used Ansible to Orchestrate software updates and verify functionality.

Created Maven scripts to create multiple deployment profiles and deploy the applications to Apache Tomcat.

Written MAVEN Scripts to automate build processes and managed MAVEN repository using Nexus Tool and used the same to share snapshots and releases.

Responsible for writing various scripts in Jenkins to monitor server health and self-heal if necessary. Also, configured email plug-in to send alerts based on groovy script.

Used Nagios as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes and worked on Nagios Event handlers in case of automatic restart of failed applications and services.

Involved in performance testing applications using Load runner and JMeter.

Build and Release software baselines, code merges, branch and label creation in Subversion and GIT, worked on migration from Subversion to Git (DVCS) .

Provided on-call support for production issues.

Implemented the Build automation process for all the assigned projects in Vertical Apps domain.

Monitor the UAT/Production Environments for any down time issues by performing regular Cron job updates in servers.

Written Maven scripts, Installed Jenkins, written shell script for end to end build and deployment automation.

Configured Docker container for setup application using automation Docker script.

Performed Integrated delivery (CI and CD process) Using Jenkins, Nexus, Yum and puppet.

Created scripts for system administration and AWS using languages such as BASH and Python.

Maintain a Live Like environment to test any production issues on the setup and push it into production.

Configure and maintain stress servers in different geographical locations and provide setup in every release to perform stress testing.

Setup and configure WebSphere for DEV/TEST Environments.

Company Name : Yaska Technologies India Private Limited.
Project1 :
Roles & Responsibilities :

Managed Build and Release Engineering standards and conduct the internal and external build, packaging, and release projects.

Performed all necessary day-to-day Subversion/GitLab support for different projects and Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.

Experienced with Java Spring based frameworks for build/automaton tools using Maven

Implemented Continuous Integration Environment using Jenkins.

Migrated monolithic applications to Kubernetes Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy using Terraform.

Responsible for installing Jenkins master and slave nodes.

Used Docker as a Containerization tool and Kubernetes for Container Orchestration tool.

Involved in Writing Docker files to build customized images for creating containers.

Created Shell scripts for building and deploying java application to target environments.

Configured Docker container for setup application using automation Docker script.

Responsible for writing various scripts in Jenkins to monitor server health and self-heal if necessary.

Also, configured email plug-in to send alerts based on groovy script.

Responsible for writing various scripts in Jenkins to monitor server health and self-heal if necessary.

Also, configured email plug-in to send alerts based on groovy script.

Provided different architecture to clients depends on their requirement.

Implemented Google Kubernetes Engine (GKE) to host all DevOps tools.

Implemented Ansible to manage all existing servers and automate the build/configuration of new servers and used Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.

Virtualized the servers using Docker for the test environment and dev-environment needs, also configuration automation using Docker containers.

Worked on Kubernetes to orchestrate Docker containers of new and existing applications as well as deployment and management of complex run time environment.

Built server deployment on Cloud (EC2) servers with help of DevOps tools like Puppet.

Worked on cloud services elastic capacity administration and cloud deployment and administration tools.

Installing, configuring, and administering DNS, NFS, NIS, Mail servers, FTP servers RPM servers on Sun Solaris and Red Hat Linux platforms.

Troubleshoot the build issue during the Jenkins build process and resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.

Learn the architecture of all the applications to help trouble shoot any issues for each application.

Production of Application Release Plan (Release Scope Planning & defining Milestones) .

Project2 :
Roles & Responsibilities :

Experienced in managing large and complex test projects in conventional and agile methodology.

Good knowledge in defect identification and documentation.

Expertise in functional, Regression, Integration and Web based testing.

Functional Testing and well versed in preparing test artifacts : Test Cases, Defect Tracking and Test Summary report.

Work with different team members for automation of Release components.

Monitoring daily thousands of alerts and intimating to the respective team.

Labeling New Tapes and checking space in daily backup Tapes.

Checking Disk Space on servers.

Scheduling backups and Generating Backup logs for tracking.

Responsible for environment setup for testing purposes.

Involved in maintaining SLA and troubleshooting issues in production.

Monitor the UAT/Production Environments for any down time issues by performing regular Cron job updates in servers.

Involved in Amazon Web Services (AWS) provisioning and AWS administrations like EC2 , CloudWatch, and IAM.

We are using Ansible as primary automation tool in configuring and deploying artifacts to several environments.

Creating Playbooks in Ansible for Configuration and Deployment activities.

Configured Jenkins jobs install plugins for generating Project artifacts.

Administered Maven repositories source tree and user account administration, branching, merging, patch fixes, snapshots Kubernetes, and training users on the systems.
Responsible for Tagging and maintain code on version control GIT.
Integrated Git into Jenkins to automate the code check-out process.
Responsible for Creating Builds and Deployment Plans.
Hands on experience on remote tools SSH and SCP.
Run the scripts to push the property changes to IST/QA environment
Involved in Perforce Support and Troubleshooting of Perforce issues.
Responsible for Tagging and maintain code on version control GIT.
Configuration Management using Subversion (SVN) and maintaining admin related files.
Automating the regular tasks in Subversion and streamlining the process of access to SVN.
Integrated Git into Jenkins to automate the code check-out process.
Responsible for Creating Builds and Deployment Plans.
After completing the scripts development and process setup, execute the builds and deployments to all above environments based on the weekly scheduled build calendar.
Perform smoke/sanity tests for the applications deployed and troubleshoot the application for the issues that arise as part of the smoke test process.
Educational Qualification :
Bachelor of Engineering from MallaReddy Institution of Technology (MallaReddy University) - 2015.

PERSONAL Detail :
(Suresh Babu)