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| **Srinivas.N Phone:** 6281637864  **E-Mail: srinivasnarayanagiri613@gmail.com** |

**PROFESSIONAL PROFILE**

* Having **3.5 years** of experience in Software Configuration Management, Build/Release Management and Change/Incident Management. "Experience in Cloud automation using AWS Cloud Formation templates, Python, Ansible, Puppet, Terraform, and Vagrant.

**PROFESSIONAL EXPERIENCE**

* Extensive Experience with **AWS (Storage, Application Services, Deployment and Management)** and managed servers on AWS platform instances using **Puppet**, **Ansible** configuration management.
* Experience in creating, debugging, diagnosing and troubleshooting, build scripts written in **ANT, Maven** on Linux platform.
* Extensive experience in scripting languages including **Shell Scripting and Python Scripting**.
* Experienced working with a configuration management tools like **GIT**.
* Experience in implementing merging strategies, Tagging and delivering using GIT as source control.
* Experience in Configuring and Integrating the Servers with different environments to automatically provisioning and creating new machines using Configuration management/provisioning tools like **Ansible.**
* Experience in software methodologies like **Waterfall model, Agile Methodology and Scrum**.
* Deploy the generated build to **WEB and App server** using the continuous integration process to all Environments.
* Deployed the applications to **Tomcat Application Server** and static content to apache web servers.
* Implemented **SonarQube** for code quality checking
* Significant experience with Amazon Web Services (AWS) and with the configuration of various Amazon products (**Amazon EC2, Elastic Load Balancing, Auto Scaling, Amazon S3, Amazon VPC, Amazon SES, Amazon SNS, Amazon IAM, Amazon Cloud Watch, Amazon Elastic Beanstalk, Amazon Cloud Formation, Route 53, and Amazon RDS**).
* Created network architecture on **AWS VPC**, subnets, Internet Gateway, Route Table and NAT Setup.
* Working with **Route 53**, DNS failover and setting up Latency based routing, weighted routing Policies.
* Experience in using **Nexus** and Artifactory Repository Managers for Maven and Ant builds.
* Configuring, Automating and Deploying Puppet **and Ansible** for configuration management to existing Infrastructure.
* Virtualized the servers using **Docke**r for the test environments and dev-environments needs, also configuration automation using Docker containers.
* Experience in creating **Docker Containers** leveraging existing Linux Containers and AMI's in addition to creating Docker Containers from scratch.
* Managed **Docker** orchestration and Docker containerization using **Kubernetes**.
* Used **Kubernetes** to orchestrate the deployment, scaling and management of Docker Container
* Container management using Docker by writing **Docker files** and set up the automated build on Docker HUB and installed and configured **Kubernetes**.
* Involved in Package applications with Helm and writing **Helm charts** for applications.
* Automatically build and deploy **Helm Charts using Jenkins**
* Installing and configuring **Terraform** and building the infrastructure using terraform configuration file.
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**

**EDUCATION**

* M.Tech (PEED) from JNTU-Hyderabad University, in the year 2016.

**WORK EXPERIENCE**

* Working as a DevOps with AWS Engineer in **Askme Software Pvt Ltd**, from April 2017 to till date.

**PROJECT-1**

Name : Enterprise Billing Inquiry tool

Client : Aetna, USA

Role : AWS Engineer & DevOps Engineer

Duration : May-2018 to till date

Responsibilities:

* Work on building and deploying Java code through Jenkins.
* Work closely with development team and SQA team for product releases.
* Create and maintain continuous build and continuous integration environments in Scrum and Agile projects.
* Installation, set-up, and management of build servers and management using Jenkins as Continuous Integration tool.
* Implemented Jenkins as Continuous Integration Server for Installation, Configuration, Design and Administration, and integrating tools with other systems
* Developed scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Python and Bash
* Managed different infrastructure resources, like physical machines, VMs and Docker containers using Terraform
* Develop a continuous deployment pipeline using Jenkins, Ruby/shell scripts.
* Setting up subversion repositories, track instances and configuring Jenkins.
* Create various Maven scripts to create multiple deployment profiles and deploy the applications to Apache Tomcat.
* Managing DATA Center Inbound and outbound services. Working on Ansible automation tool.
* In-depth knowledge of AWS automation services - Cloud Formation templates, Terraform
* Experience in leading the efforts of Deployment and Build Engineers for Linux Environment.
* Developed and maintained the continuous integration and deployment systems using Jenkins, ANT, Maven, Nexus, Ansible and Ruby
* Worked on build tasks using Maven, Ant Make files and worked with development team to migrate Ant scripts to Maven.
* Automated configuration management and deployments using Ansible playbooks and Yaml for resource declaration. And creating roles and updating Playbooks to provision servers by using Ansible.
* Installing, Configured and management in Ansible Centralized Server and creating the playbooks to support various application servers.
* Monitoring Jenkins jobs and contact team if progress is not evident on fixing stability issues.
* Written the Ansible YAML scripts to configure the remote servers.
* Maintained source code repository in GIT and handled branching, tagging & merging process.
* Worked on Apache and Firewalls in both development and production.
* Worked on installation of Docker using Docker toolbox.
* Worked on creating the Docker containers, Docker container images, tagging and pushing the images and Docker consoles for managing the application life cycle.
* Deploy Docker Engines in Virtualized Platforms for containerization of multiple applications.
* Configure Docker container for automated testing purposes.
* Pipeline by implementing Docker containerization with multiple namespace.
* Work with AWS Cloud management and Ansible Automation.
* Migrated the current Linux environment to AWS/RHEL Linux environment and used auto scaling feature and Involved in Remediation and patching of Unix/Linux Servers
* Implement AWS solutions using EC2, S3, RDS, Elastic Load Balancer and Auto scaling groups.
* Design AWS CloudFormation templates to create custom sized VPC, subnets to ensure successful deployment of Web applications and database templates.
* 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.
* Migrating a production infrastructure into an Amazon Web Services utilizing AWS Cloud formation, Code Deploy, Ansible, EBS, and Ops Works.
* Developed Dev/Test/Prod environments of different applications on AWS by provisioning Kubernetes clusters on EC2 instances using Docker, Bash, Ansible, and Terraform.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Creating Cloudformation scripts for hosting software on AWS cloud.
* Used sub modules in GIT and trained the new users on working with sub modules in GIT.
* Design highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs.
* Installed and Configured the Apache, Nginx, Tomcat web, application servers for Dev and Integration Test Environments.
* Viewing the selected issues of web interface using Sonarqube. Responsible for up gradation of Sonarqube using upgrade center.
* Use AWS CLI tools, EC2 and Cloudformation to setup a DEV and Testing Environment in Amazon Cloud.
* Involve in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker.
* Experience in writing the scripts in Python and Shell Scripts for managing various enterprise applications.
* Use these scripts to replicate production build environments on a local dev boxes using Vagrant and Virtual box.
* Working with DevOps using AWS, Elastic Bean stalk and Docker with kubernetes.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with kubernetes.
* Worked on Docker open source project by automating the deployment of applications inside software containers.
* To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications managed Kubernetes manifest files and managed releases of Helm packages.

**PROJECT-2**

Name : Health Care System (HCS)

Client : Edward White Hospital, Naperville, USA.

Role : DevOps Engineer

Duration : April-2017 to May-2018

Responsibilities:

* Work on building and deploying Java code through Jenkins.
* Worked with the Architects on SDLC process being the owner of post development environments.
* Worked in Agile Project management Process.
* Developed, maintained, and distributed release notes for each scheduled release.
* Performed SVN to GIT migration with careful analysis and migrated all branches, tags, along with commit history using GIT -SVN utility.
* Performed all necessary day-to-day GitHub support for different projects like Check-in, Checkouts, import, export, branching, tagging, and conflict resolution.
* Implemented &maintained the branching and build/release strategies utilizing GitHub in Linux environments.
* Analyzed the ANT Build projects for conversion.
* Converting the ANT Build projects to Maven Build projects.
* Experience with JUnit and code coverage tracking (Sonar/SonarQube)
* Managing Maven project dependencies by creating parent-child relationships between projects.
* Creating new build jobs, Integration testing jobs and deploy jobs in Jenkins to automate the process.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with ANT and Maven to schedule the builds.
* Researched and implemented code coverage and unit test plug-ins like find bugs, check style and PMD with Maven/Jenkins.
* Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Create and Build Jenkins jobs and stores the build artifacts in Nexus and uDeploy by using preconfigured scripts.
* Created end to end build automation and CI setup for button click push deployment.
* Installed and Configured the Apache Tomcat application servers for Dev and Integration Test Environments.
* Provisioned and configured Tomcat and Apache instances using Shell/Perl in uDeploy.
* Worked with JIRA for Issue Tracking and monitoring.