**Sneha Reddy**

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**Professional Summary:**

* Computer Science Professional with overall 8+ years of experience that includes designing/developing continuous integration and continuous deployment of applications to different environments.
* Results-oriented DevOps/Cloud engineer with experience in CI/CD Automation, AWS/AZURE/GCP cloud, Infrastructure Management, deploying and troubleshooting UNIX and Linux systems.
* Currently hold AWS Certified Developer Associate certification.
* Automated the CI/CD process using Shell Scripting, Groovy Scripts, Go, Python.
* Experience in Maintaining and automating the tasks in Jenkins using Groovy, Shell Scripting and develop Jenkins shared libraries and manage Jenkins pipeline via Jenkins files.
* Experience with Docker and Kubernetes to create containerized applications for deployment.
* Used Ansible to configure Kubernetes Cluster using playbooks.
* Automated the cloud infrastructure using Terraform and Cloud Formation (Infrastructure-as-Code).
* Participated in peer code reviews for Infrastructure-as-Code (IaaC).
* Experience with ELK stack monitoring tool to index logs for troubleshooting.
* Experience in migrating and building applications in GitLab.
* Worked on automated code deployment using CI/CD tools like Jenkins, Azure DevOps and Copado
* Worked on Migrating on premise servers to AWS cloud EC2 servers.
* Experience working with SonarQube for checking the Code Quality.
* Experience using Salt Stack for Automating the Application Deployment.
* Experience with CI/CD setup for the multiple applications and deployments in dev, qa, stg, prod env’s
* Experience in documenting and preparing the process related operational manuals.
* Knowledge of network components like firewalls, protocols, routers, servers, load balancers, etc.
* Building/Maintaining Docker container clusters managed by Kubernetes.
* Implemented K8’s dashboard tools for Kubernetes with Docker to assist with auto-scaling, continuous integration, rolling updates with zero downtime.
* Practical experience in Cloud Methodologies like IaaS, PaaS, SaaS.
* Used Infrastructure as a Service (IaaS) like Amazon Web Services (AWS) to compute, storage and configure the firewall settings, giving temporary access and setting up an environment for production and development team.
* Automated the process of launching and stopping/terminating EC2 instances on Amazon AWS.
* Good knowledge of AWS services like S3, ELB, RDS, Lambda, Glacier, Redshift, IAM, Route 53, Auto Scaling, Cloud Formation, Cloud Front, Cloud Trail, Cloud Watch, Security Groups.
* Experience in administrating, deploying, and managing UBUNTU and CentOS servers.
* Experience in using Bug Tracking tools like Jira, Rally.
* Strong experience in working in Linux and Windows environments.
* Good analytical, problem solving, communication skills and can work either independently with little or no supervision or as a member of a team.
* Excellent written and verbal communication skills, strong organizational skills, and a hard-working team player.

**Technical Skills:**

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| **SCM Tool** | GIT, Bitbucket, GitHub, GitLab |
| **Build Tool**  | Maven, Gradle, Node |
| **CI tools**  | Jenkins, Azure DevOps, Copado |
| **Configuration management**  | Ansible, Saltstack, Puppet. |
| **Scripting** | Ruby, Perl, Python, bash shell, PowerShell |
| **Servers** | JBOSS, Apache Tomcat, WebLogic, Nginx |
| **Languages**  | Java, Python |
| **Monitoring tools**  | Splunk, AppDynamics, ELK |
| **Database System** | SQL Server 2000/2008, Mongo db. Oracle 9i/10g-PL/SQL |
| **AWS RDS**  | PostgreSQL, Aurora, MySQL, Dynamo DB, Redshift |
| **Linux flavors**  | Centos 6.5,7, Ubuntu, Red hat, Solaris. |
| **Windows**  | Windows NT/2003/2008, Windows XP, Vista, 7, 10 |

**Thermofisher Scientific**

**Software DevOps Engineer**

**Pittsburgh, USA Nov 2020 – till now**

* Experience in Creating User Stories and managing JIRA tickets for tracking the issues/bugs/defects in each environment and categorizing them based upon the priorities.
* Maintaining, and streamlining our automated build and release pipeline from code compilation, automated testing to deploying releases to multiple environments
* Experience in Maintaining and automating the tasks in Jenkins using Groovy, Shell Scripting and develop Jenkins shared libraries and manage Jenkins pipeline via Jenkins files.
* Experience in Implementing and Maintaining build, test and deploy process for Salesforce applications using Copado Tool and troubleshooting the issues as part of the build and release process.
* Experience with Docker and Kubernetes to create containerized applications for deployment.
* Created Jenkins pipeline jobs for multiple projects and deployed the applications to Kubernetes Cluster.
* Experience working on software upgrades and testing the container images for vulnerability scan using Twistlock.
* Monitoring and troubleshooting the application and infrastructure performance in Google Cloud Platform.
* Experience working with Copado tool for the build and Release process of Salesforce Applications and deployed salesforce applications using Copado to muliptle environments.
* Experience with Compute (App Engine, Kubernetes Engine, Compute Engine), Storage, Operations (Logging & Monitoring) and Networking services in Google cloud platform.
* Experience in upgrading all the software versions using helm.
* Experience working with deploying salesforce applications.
* Used Maven, Gradle, npm, docker as Build Tool and Saltstack for automating the deployments.
* To achieve Continuous Delivery goal on high scalable environment, used Docker to deploy the Java microservices in Docker containers over Kubernetes.
* Experienced in Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like Bitbucket and Git on Linux platforms.
* Used GIT to keep track of all changes in source code and follow Agile SDLC Methodologies.
* Experience in maintaining non-prod and production Jenkins and deploying applications to all the environments.
* Uploaded and maintained WARs/EARs files in the Nexus Artifactory from where it is used to deploy in the instances.
* Experience in writing dockerfiles, storing and retrieving docker images from Nexus Artifactory.

**Environment & Tools:** Jenkins, Java, Nodejs, GKE, GCP, Docker, Copado, Kubernetes, Azure, Jenkins Libraries, SaltStack, Maven, Gradle, Node, Jenkins, Docker, Nginx, Sonarqube, Helm, App Dynamics, JFrog Artifactory.

**JetBlue Airways**

**DevOps/SRE**

**Plano, TX, USA Aug 2019 – Sep 2020**

* Experience working on Jenkins as CI/CD tool, Salt Stack as configuration management tool, GCP Kubernetes Cluster, Azure, SonarQube as code quality tool, Maven as Build Tool, JFrog Artifactory, App Dynamics, Kafka, Agile SDLC Methodologies.
* Experience working on CI/CD setup for the Java, .Net, Asp.Net, Spring boot and Node.js applications. Deployments in dev, qa, stg, prod env’s.
* Experience working on software upgrades and testing the container images for vulnerability scan using Twist lock.
* Experience in deploying applications to GKE (Google Kubernetes Engine) on Google Cloud Platform and Microsoft Azure.
* Experience in trouble shooting applications in GCP Cloud and Microsoft Azure.
* Experience with Compute (App Engine, Kubernetes Engine, Compute Engine), Storage, Operations (Logging & Monitoring) and Networking services in Google cloud platform.
* Experience in automating the CI/CD process using Shell Scripting, Groovy Scripts, Python.
* Troubleshooting the Jenkins build issues.
* Experience working with .Net Core, web API’s and Azure Cloud.
* Monitoring Application and Server Logs using App Dynamics, EKS.
* Monitoring Application Logs through GCP Console.
* Experience in Maintaining JFrog Artifactory.
* Experience in Cloud Methodologies like IaaS, PaaS, SaaS.
* Experience working with Terraform Scripting for automating Infrastructure.
* Experience in writing Docker files, docker, helm charts, Kubernetes.
* Experience working with nginx-ingress as the ingress controllers for Load balancing and reverse proxy in Kubernetes.
* Experience working with Alerting and Monitoring using Stack driver in GCP.
* Automated the CI/CD & Infrastructure using Shell Scripting, Groovy Scripts, Python and Go.
* Scripting Experience with deployment automation tools (Salt Stack, Terraform)
* Experience with writing scripts in Groovy, Power Shell, Ruby and Python.
* Experience working with docker files, helm charts for deploying applications to Kubernetes Cluster.
* Worked on developing/implementing/testing scripts (Power Shell and Python) using Azure Functions for deploying Applications to Kubernetes in Azure using KEDA to achieve Serverless Architecture.
* Experience in Maintaining SonarQube and Implementing/Adding rules for the Applications based on the requirement.
* Configuration and management of Web/application servers (Apache, Tomcat, Nginx)
* Maintaining and automating the tasks in Jenkins using Groovy, Shell Scripting and develop Jenkins shared libraries and manage Jenkins pipeline via Jenkins files.
* Experience using Salt Stack for Automating the Application Deployment.

**Environment & Tools:** Jenkins, Java, Nodejs, GKE, Docker, GCP, Kubernetes, Azure, Jenkins Libraries, SaltStack, Maven, Gradle, Node, Jenkins, Docker, Splunk, Nginx, Sonarqube, Terraform, Helm, App Dynamics, JFrog Artifactory.

**Credit Sights, Plano, TX, USA**

**DevOps/Cloud/SRE**

**Plano, TX, USA** **Aug 2018 – July 2019**

* Worked on Implementing/Automating the CI/CD process from the scratch using Shell Scripting. Worked locally on the scripts through AWS-CLI and then integrated the scripts in Microsoft Azure DevOps.
* Worked on Build and Release pipelines for NodeJS applications using Microsoft Azure DevOps with Azure Repos as the Source Code Management (SCM) and Maven for building the application.
* Worked on AWS services like API Gateway, Lambda Functions, Usage plans, Throttling, Resource Policies, Caching, SMS & SNS notifications. Achieved Serverless Computing with the AWS Lambda function.
* Worked on coordinating & leading the off-shore team by dividing the work, reviewing/testing the code, coordinating with everyone to meet deadlines while working on implementing the CI/CD Automation process from the scratch.
* Build and Release process using Jenkins (CI & CD tool), Maven (Build tool) and Tomcat Server (Web/App Server).
* Worked on different plugins in Jenkins for the process of CI/CD like webhooks to integrate the Source Code Repository (GitHub) with Jenkins for Continuous Integration.
* Experience in migrating and building applications in GitLab.
* Worked in node.js, building web services.
* Experience with writing scripts in Groovy, Ruby, Power Shell and Python.
* Scripting Experience with deployment automation tools (Ansible).
* Experience using Ansible for DevOps Automation.
* Trouble shooting pipeline builds in Microsoft Azure DevOps.
* Worked on supporting Build and Release process using Copado Tool for deploying the Salesforce Applications.
* Experience in Maintaining build, test and deploy process for Salesforce applications using Copado Tool and troubleshooting the issues as part of the build and release process and deploying applications to multiple environments.
* Experience working with AWS, Azure.
* Experience in automating the CI/CD process using Shell Scripting, Groovy Scripts, Python.
* Worked on AWS resources like VPC, subnets, Internet Gateway, Security Groups, Storage (EBS), S3, Glue, Athena, EMR, IAM, Databases (RDS).

**Environment & Tools:** Java, Maven, Jenkins, Docker, Nginx, UI, Copado tool, AWS, Lambda, MS Dynamics Power Apps, Linux Virtual Machines, Virtual Network, Jenkins DSL scripts, ECS, Slack.

**National Institute of Allergy and Infectious Diseases-NIAID**

**DevOps/Cloud/SRE**

**Rockville, MD, USA Sept 2017 – July 2018**

* Worked on automating CI/CD process using Groovy Scripts (Jenkins DSL Scripts), shell scripting, Docker and ECS container orchestration, GIT, Bitbucket, UCD, Agile SDLC Methodologies.
* Created Cloud Formation Stack in AWS console from the cloud formation template code which is used to build the infrastructure.
* Worked on converting cloud Formation code to Terraform and worked on provisioning infrastructure using Terraform.
* Worked on migrating all the jobs running on windows environments to Linux environments (AWS EC2) using Jenkins DSL scripts.
* Worked on trouble shooting build issues in Linux Servers.
* Created cron jobs in Linux servers to clean up temp files.
* Created VPC, subnets, S3, ELB, Auto Scaling, Cloud Watch, Internet Gateway, Security Groups in AWS using Terraform code.
* Experience working on CI/CD setup for the Java, Asp.net, .net and Node.js applications. Deployments in dev, qa, stg, prod env’s.
* Experience in migrating and building applications in GitLab.
* Worked on implementing singularity container orchestration.
* Automated the CI/CD process using Shell Scripting, Groovy Scripts, Python and infrastructure using Go.
* Experience with application-level logging with ELK Stack.
* Implemented Slack Notification plugin in Jenkins Using Groovy Scripts.
* Experience using node package manager to install and publish modules.
* Worked on SSL/TLS protocols for secure communication over the network.
* Mentored newly joined interns by giving KT, assigning tasks, reviewing the code.
* Created Jobs for all the projects in dev, qa, prod environments using Groovy scripts.
* Experience in building and deploying Java, Node, Android and IOS based applications.
* Configuration and management of Web/application servers (Apache, Tomcat, Nginx)
* Knowledge of deployments to sharepoint sites i.e IIS server. Mapping of virtual directory with the physical directory.
* Worked on implementing Singularity Containers.
* Experience working with Barracuda WAF for Application Security and Network Security in AWS.
* Barracuda WAF for protecting web applications by inspecting and filtering traffic between each application and the internet. Also provides security for API’s.
* Knowledge of various AWS Services like s3, EC2, VPC, LoadBalancers, Cloud Watch, Security groups, gateways, ECS cluster, EMR, Glue, Athena, Barracuda WAF, Route53, Lightsail instances
* Monitoring Application and Server Logs using ELK, Splunk.
* Created the jobs using Jenkins DSL scripts and deployed the build jobs to Sharepoint windows servers and also to the Linux servers.

**Environment & Tools:** Java, Maven, Jenkins, Docker, UCD, Nginx, UI, Android/IOS applications, AWS, Linux Virtual Machines, Virtual Network, Jenkins DSL scripts, ECS, Slack.

**Barclays, Hyderabad, India**

**Build and Release Engineer Oct 2012 – Nov 2015**

* Involved in setting up Jira as defect tracking system and configured various workflows, customizations, and plug-ins for the Jira bug/issue tracker.
* Managed all the bugs and changes into a production environment using the Jira tracking tool.
* Resolved update, merge and password authentication issues in Jenkins and Jira.
* Setting up continuous integration and formal builds using Jenkins with Maven and Tomcat repository.
* Installed and administered Tomcat repository to deploy the Artifacts generated by Maven and to store the dependent jars which are used during the build.
* Integrated Maven with Perforce to manage and deploy project related tags.
* Mentor Business Areas on Subversion Branching, Merging strategies concepts.
* Installed and configured Confluence as the enterprise wiki to document development and change management procedures. Hands on involvement with Jenkins CI/CD, GIT, AWS, Web Servers, Shell scripting.
* Involved partially in deploying WARs/EARs (backend) through WebLogic Application Server console.
* Performed setup of clustered environment with WebLogic Application Server.
* Used Shell script to configure the WebLogic application server in all the environments
* Support Lead developers with Configuration Management issues.
* Worked for Creating the Software Configuration Management Plan.
* Experience working with .Net Core, web API’s and Azure Cloud. Build and Release process using Azure DevOps.
* Provide day to day administration and support of the DevOps toolset, including installation, upgrades and configuration.
* Worked on Jenkins. Adding slave nodes i.e. EC2 instances (Linux Servers) in AWS. Installing the packages and software’s required for the application.
* Worked on shell scripting like installing all the packages or software’s at a time by running the scripts. Created cron jobs to clean up the temp files.
* Worked on creating jobs for the process of build and release.
* Worked on trouble shooting the issues when the build jobs are failed and when something went wrong with the servers.
* Worked on creating the AWS services like VPC, EC2, load balancers, subnets, CloudWatch, security groups, route53 in AWS Console.

**Environment & Tools:** Java, Maven, Jira, Jenkins, Linux, AWS, WebLogic, Subversion, Shell scripting.

**Polycom, Hyderabad, India June 2011 – Sept 2012**

**Role:** **Linux Administrator**

**Linux Administrator**

* Installation, Configuration & Upgrade of Solaris, and Linux operating system.
* Install new physical and virtual servers using VMware virtual Center and configure hardware, settings, directories, storage in accordance with standards and project/operational requirement.
* Install, configure, maintain, and administer Linux System using kickstart and interactive installation on many servers.
* Install hardware, software and monitor application performance and availability.
* Installed and configured Firewall, NAT, port monitoring, network intrusion testing and certificate maintenance. Problems & performance issues deployed latest patches for Sun, Linux and Application servers, Performed Solaris, and Red Hat Linux Kernel Tuning for TCP stack.
* Installation Red hat Linux 8, 9.0 on Dell, ProLiant, Enterprise Server 4.0.
* Written shell scripts and Perl scripting to take backup oracle database.
* Network trouble shooting using ‘ndd’, 'traceroute', 'net stat', 'ifconfig' and 'snoop' etc.
* Installed, managed Verities Volume Manager 3.5 (VxVM) on Solaris 9.
* Experience with EMC storage devices ClariionFC4700/CXx and Symmetric DMX).
* Experienced with HP storage Works SAN Switches 2/16v (Brocade silkworm).
* Network trouble shooting using ‘ndd’, 'traceroute', 'net stat', 'ifconfig' and 'snoop' etc.
* Installation of Web sphere, upgraded to service pack updates, installed IBM patches, configuring and creation new admin & managed servers, start & stop Web sphere server
* Installation and configuration of Veritas Storage Foundation Suite, Volume Manager, Cluster Servers & Veritas File systems (Vxfs).
* Written shell scripts and Perl scripting to take backup oracle database.
* Integrating UNIX file systems using packages like SAMBA. Setting up printers on UNIX / NT machines to work seamlessly across platforms.
* Installation and configuration of Oracle 8/9i database on Sun Solaris Servers.
* Integration of Linux/Solaris with Active Directory (LDAP)

**Environment & Tools:** Sun Solaris 8/9, Red Hat Linux 8,9.0, Samba, Sun fire Servers, HP DL-320/360/380/560/580L servers, Tivoli Storage Manager5.x, Web sphere, Oracle 8/9i/RAC, Apache 2.x/ 3.x.

**Education Details:**

* Master of Science in Computer Science, University of Central Missouri, MO (GPA- 3.75) (2016-2017).
* Bachelor of Technology in Computer Science, JNTU, India (GPA- 3.51) (2007-2011).