Raghu Narla

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PROFESSIONAL SUMMARY:

Over 8 years of experience in Build and Release management, DevOps, Application Configuration Management and Automation.

Experience in multiple Cloud service platforms like Amazon Web Services.OracleCloud,GoogleCloudPlatform,PCF.

Experience in doing the Pilot DataCenterMigrations to Cloud Service Providers to AWS,OracleCloud and GCP.

Worked on version control tools like Subversion, Git, Bitbucket to track source code changes.

Hands on Experience with Continuous Integration tools such as Jenkins, Hudson, Anthill pro, Team city and Bamboo.

Worked on application deployments and environment configuration using Puppet and Chef Configuration management tools.

Experience in building the cloud infrastructure using Chef, Puppet and Ansible on multiple Cloud Servers.

Experience in installation and configuration of automated tool Puppet which includes Puppet Master, Agent Nodes and an administration control workstation, thereby setting up an automated platform.

Experience in setting up Chef Infra, Bootstrapping Nodes, creating and uploading Recipes and Nodes.

Hands-on experience in provisioning AWS resources like VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, RDS using Cloud formation yaml templates.

Experience working on Maven, Ant, MS-build build tools for building deployable artifacts from source code.

Configured and Administered Nexus Repository Manager for Git repositories and builds.

Proficient with Python, Perl, Bash & Shell Scripting for build automations.

Experience in administering and maintaining Atlassian products like JIRA, Bamboo, Confluence, and Fisheye.

Hands-on knowledge on working with web services using programming languages such as C++, Java.

Created a high availability and scalable AWS stacks using EC2 auto scaling functionality.

Used Stack Driver and AWS Cloud Monitoring extensively to monitor and debug the cloud based AWS EC2 services.

Created tagging standards for proper identification and ownership of EC2 instances and other AWS resources.

Experienced in monitoring tools like Splunk, Nagios, Cacti etc.

Experienced in Administration of Production, Development and Test environments carrying different operating system platforms like Windows, Ubuntu, Red Hat Linux, Centos servers.

Strong understanding of the principles and best practices of Software Configuration Management (SCM) in SDLC s like Agile, Scrum and Waterfall methodologies.

Configuring and Administering DNS, NIS, LAMP and LDAP Red hat, CentOS server environment.

Experienced in installing, upgrading and configuring SUN Solaris 9 and 10 on Sun Spark and Fire Hardware.

Experienced in installation and configuration of VMware workstation and VMware ESX / ESXi server and creation of VMs and install different guest OS.

Experienced in creating and maintaining user accounts, profiles, security, rights, disk space and process monitoring.

Experienced in automating deployments on servers using JBoss, Tomcat, and WebSphere.

Worked extensively with different bug tracking tools like JIRA, Remedy, and HP Quality center.

Experienced in implementation and maintenance of Apache HTTP, SMTP, DHCP, NFS, NIS, NIS+, LDAP, DNS, SAMBA, SQUID, Postfix, send mail, FTP, Remote Access, Security Management Security trouble shooting skill, AD Security groups, CISF, SMB and OSI model.

Experienced in automation of release and deploy configuration management to different environments i.e.   QA, UAT and Production.

TECHNICAL SKILLS

Platforms

Ubuntu, Red Hat LINUX, Windows Server, RHEL, CENT OS

Version control tools

Git, SVN, ClearCase, GitHub, Gitlab

Cloud

AWS, VMware , Oracle Cloud, Google Cloud.

CI tools and Containerization Tools

Jenkins/Hudson, Bamboo, Docker, Kubernetes, Pivotal Cloud Foundry

Build Tools

ANT, Maven

Configuration Management Tools

Chef, Puppet, Ansible

Scripting Languages

Bash Script, Ruby, Perl, Python, Shell Script

Web/Application servers

WebLogic, WebSphere, Apache Tomcat, IBM JBoss, TC server

Cloud Monitoring Tools

Stack Driver, AWS cloud watch, Data log, Splunk, NewRelic

PROFESSIONAL EXPERIENCE

Goldman Sachs/Capgemini, Baltimore, MD

Oct 2020 to Present

AWS Cloud Engineer.

Environment: Gitlab, Bitbucket, Terraform, AWS, Microsoft Windows Servers, Networking, Compute, Database

Responsibilities:

Primary focusing on the building the Hybrid environments for Pod2 and Greenfield environments for pod3 on AWS Cloud.

Build the CI/CD Pipeline that builds a Windows AMI with Infrastructure standard that we follow and making immutable AMI and distributing across all Pod2/Pod3 AWS Accounts.

Build and deploy the AWS Components such as S3, EC2, NLB, KMS, Secrets Manager,R53,TGW,EndPoints,Endpoint services using Terraform modules and scripts.

Work on Private links and establish the connectivity from Core-card Infra to partner Applications.

Managing and patching the Windows Servers using the SSM.

Worked on Producer and Consumer Endpoints that would replace the VPC Connectivity and TGW b/w different partner Apps.

Configure the CloudWatch log groups across all windows AD, Db, App, Web servers.

Automated the alerts such as certs expiry, AD login alerts.

Deployed the AWS Accounts and Jump servers on DataCenter using the terraform.

Deployed the proxies using the Gitlab runners, terraform.

Whitelisting the Ips across the iboss proxy cloud using consumer and producer endpoints.

Doing regular day to day Server Deployments such as App, DB, Web using terraform and bamboo pipelines.

Monitoring and resolving day to day production and on going operation issues.

Laureate Education Inc, Baltimore, MD

July 2018 to Oct 2020

AWS Cloud/DevOps Engineer.

Environment: Gitlab,GitHub,Jenkins,Ansible,CloudFormation,Terraform,Splunk,Nessus,CiscoAMP,Windows,Packer ,DCOS,Docker, Commvault, Vmware, SMS, AWS, SnowMobile, OracleCloud, GoogleCloudPlatform.

Responsibilities:

Primarly focusing on the Data Center Migration and automating everything in building Components required for AWS.

Built the CI/CD Pipeline that builds a Redhat AMI with Infrastructure standard that we follow and making immutable AMI and distributing across the accounts

Built an AWS Architecture that is feasible for different Teams to migrate their applications and automating everything using IAAC code.

Designed and Developed the multiple areas such as Identity, Compute, Networking and automated the landing zone AWS deployments using the CloudFormation and used the StackSets to deploy across 20 Child Organizations.

Managing 5 different Root accounts and 22 different Organizations using lambda and CloudFormation templates.

Migrated the RAC Cluster from DataCenter to Oracle Cloud Exadatadatabase without impact to any high critical applications.

Using Jenkins as Orchestrator in deploying the IAAC on different AWS accounts using IAM Roles and policies.

Administration, Development and Maintaining the Enterprise DevOps tool such as Jenkins, GitHub, Artifactory,

Ansible-tower,

Built AWS resources such as S3, VPC,EC2,KMS,IAM,Certificate Manager, EBS, RDS, LoadBalancers using Cloudformation, Terraform and using Jenkins as a orchestrater.

Migrated the 10PB using snowmobile from onprem datacenter (Cold Storage) to aws and kept the data in Glacier.

Migrated the 800 servers using SMS(Cloud Native) and other third party tools such as CloudEndure.

Reducing the operational costs by migrating the servers to AWS.

Working with different Business Units in migrating their applications and database to AWS.

Working with the Different Business owners, Project Managers and Architects in understanding the applications and architecting them.

Implemented the Authorization and authentication on Enterprise Cloud Platforms such as AWS,OracleCloud using the AzureAD Active Directory.

Optimizing the applications and making highly scalable using Autoscaling.

Architecting the Monolithic Applications into highly Resilient Microservices where building the CI/CD pipeline using the Jenkins, ECS Fargate(AWS),EKS(AWS),Gitlab, Jenkins, Ansible and deploying the pods.

Using the Splunk forwarder   configured on servers to ship the logs from server to Splunk mgmt console.

Have done POC on DCOS using the Mesos, Marathon and other Open Source components.

Build the Architecture RoadMap in building the Immutable Servers and doing the Blue-Green deployments using Spinnaker, Jenkins ,ECS-Fargate and Packer.

Desinged the Cost Optimization Project that would reduce the cost burdens on AWS resources.

Using the Jenkins Pipeline to migrate the databases from Oracle Onprem to PostgreSQL RDS database.

Encrypting the S3, EBS, EC2,AMI in AWS using KMS Keys.

Overall Team player for AWS/CloudOperations Team in Architecting, Building and Optimizing the Applications, avoiding the roadblocks and doing   IAAS, PAAS and deploying the Application.

ManTech International Corporation, Owings Mills, MD

Aug 2017 to July 2018

Sr. DevOps Engineer.

Environment: Gitlab, GitHub, Jenkins, Cloud-bees Jenkins, Ansible, CloudFormation, Terraform, Splunk, DCOS, Kubernetes, Docker Swarm, PostgreSQL, Eureka, OpenScap, Netflix OSS model, Groovy, Json, Yaml, Jfrog, Sonarqube, Sinopia, PCF, Netflix OSS Stack

Responsibilities:

Worked primarily on automation, integration monitoring and configuration management.

Created pipelines in Jenkins to deploy the PostgreSQL Containers on the hosts.

Supporting the DBA Team and Developers Team in managing the PostgreSQL containers.

Provided the Prod. Support for the Dev Team during the deployment of Application.

Worked on Netflix OSS model components such as Eureka, Zuul, Config,Turbine,Hystrix-Dashboard.

Developed the three tier architecture in AWS such as APP ZONE, DATA ZONE and WEBZONE.

Worked with the Networking Team in Creating the VPC for our Infra needs.

Extensively used the Ansible Modules in provisioning the platform tools such as Docker, Splunk, RabbitMQ, and Fitnesse that required for the DevOps Team, Testing Team and Developers.

Created a Jenkins Groovy template that consists of build and deploy the Microservices.

Gave a high level Architecture about the Inspec Test automation tool.

Wrote many test cases for the Inspec test automation tool such as verify the Microservices deployed on the correct host, port number.

Created the Pipelines for the OSCAP that does the scans and builds the CVE html file.

Have done POCs on building the DCOS cluster, Kubernetes cluster, Docker EE.

Working with the Microservices and Docker Architecture on AWS and On Prem.

Installing and Maintaining the Infrastructure Components using Ansible playbooks.

Automating Application deployment using the Jenkins Pipelines.

Have worked on Cloud bees Jenkins in building the Pipeline that migrate the projects from Open Source GitLab to GitHub Enterprise.

Trying to build the R&D environment where we have ground space in developing the Jenkins Pipelines, Updating the Docker version.

Managing the swarm Nodes and deploying the containers on the Swarm using Jenkins Pipeline

Worked on Maven scripts in terms of Jenkins Build failures.

Have done POCs on several tools such as Hashicorp Vault that can be done password encryption for the Containers.

Working on updating the Docker-Compose files that does the Deployment of the Micro services using the Jenkins Pipeline.

Worked with the Security Team in finding the Security Vulnerabilities for the application.

Bootstrapped the AWS services such as EBS, S3, EC2 using the Terraform and Managing the aws services using the aws cli and CloudFormation templates.

Working on HA, Load Balancing of Jenkins, Registry, Gitlab, Sinopia, Sonarqube, Nexus to avoid Single Point of failure.

Installing PCF to build layers from the bottom up, starting with IaaS and ending with Day 2 configurations that we perform on an installed and running PCF deployment.

Installing a suite of Services to bind with applications that run on the PCF Platform.

Automated deployments, upgrades and backups of the Pivotal Cloud Foundry (PCF) platform using jenkins pipelines, and integrated Concourse with Credhub vault.

Ensured, successful architecture and deployment of enterprise-grade PaaS solutions using Pivotal Cloud Foundry (PCF) as well as proper operation during initial Application migration.

Providing support for Dev teams to troubleshoot failed applications and services in PCF environments.

Using Cloud Foundry to build, run and deploy various codes using tools like CF CLI, BOSH and to create an agile platform for cloud-native applications and software.

Created and maintaining virtual machines, including build pack upgrades on Pivotal Cloud Foundry, using BOSH CLI, CF CLI.

Building platform using Terraform and Concourse by automation pipelines to automate the installation of PCF components or services on to AWS.

Installed and maintained clusters in the pivotal Kubernetes service.

Worked with testing team, Development in fix the bugs of the application and improving the performance of application.

Worked with the DevOps team in building the Streamline Architecture that avoids the maintenance of the hosts, Containers.

Managing the Five Environments (SBX, DEV, TEST, IMPL, ITF and PROD) of Containers and hosts using the Jenkins Pipeline, Ansible.

Installed Universal Splunk forwarder on 5 environments where we can Ship 600 Containers logs from DEV to prod.

Migrating the projects from the Open source Jenkins to Cloud bees Jenkins where we can completely adapt and use that.

Worked with Data lake (Hadoop Team) where I created Jenkins Pipelines to deploy the Data Ingestion, Producer and Consumer Pipelines so that our EQRS Micro services are get stored into the Cloudera Cluster.

Overall Point Team player for the DevOps helping in avoiding the Roadblocks for the Team.

UPS, Atlanta, GA

May 2016 to Aug 2017

Sr. DevOps Engineer

Environment: SVN, Git, Jenkins, Nexus, Power Shell, ANT, Maven, Bamboo, Puppet, JIRA, Sonartype Nexus, MS TFS, Nagios , Linux/Unix, Windows, Java/J2ee, Docker, Terraform, AWS,PCF

Responsibilities

Worked primarily on automation, integration monitoring and configuration management.

Developed and implemented software release management strategies for various applications following the agile methodology.

Involved in deploying the content cloud platform on Amazon Web Services using EC2, S3 and EBS.

Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.

Using Terraform for deploying of Instances on AWS.

Used SVN and Git, TFS as source code repository and involved in migrating from SVN to TFS.

Created release branches in Git by Git Administration including branching, reporting and assisting with project and end user support.

Created release branches using TFS and used power shell for devops

Managed Git using Nexus tool to automate the build process and used the same to share the snapshots and releases across various projects within the organization.

Used PowerShell for DevOps in Windows-based systems.

Performed integration of code quality analysis techniques such as check style, find bugs with Bamboo.

Create and setup automated nightly build environment for java projects using Maven.

Build scripts using Maven build tools in Jenkins to move from one environment to other environments.

Managed Nexus repositories to download the artifacts (jar, war & ear) during the build.

Deployed java applications to application servers in agile continuous integration environment and also automated the whole process.

Migrated the application to PCF cloud, configuring the build pipeline and PCF environment variables.

Designed and developed the Code using Java8, SpringBoot and Micro service architecture.

Configuring elastic cache and redis Cache management for better performance

Responsible for installing Jenkins master and slave nodes.

Worked on infrastructure with Docker containerization.

Automation using Puppet and involved in developing Manifest and Modules for System and Application Configuration Management.

To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.

Installed Docker Registry for local upload and download of Docker images and even from Docker hub.

Worked on Docked-Compose and Docker-Machine.

Followed agile principles and used JIRA for maintenance and Bug development tasks.

Automated the build and release management process including monitoring changes between releases.

Setup elastic load balancer for distributing traffic among multiple WebLogic servers.

Exceptions Partitions, analytical functions, views, Indexes and global temporary tables etc.

Developed, maintained and distributed release notes for each scheduled release.

Availity LLC, Jacksonville, FL

August 2015 to March 2016

DevOps Engineer

Environment: Ubuntu, Chef, AWS, Maven, Sonar Qube, Nagios, Python, Shell, VMware, Java, Ant, Maven, Jenkins, Hudson, Git, SVN, Apache Webserver, JBoss, Apache JMETER, Git, SVN, Windows, Ruby, JIRA, AWS

Responsibilities

Designed, installed and implemented Chef Configuration management system.

Created and updated Puppet manifests, modules, files and packages.

Automated the cloud deployments using Chef and AWS cloud formation templates.

Implemented rapid-provisioning and lifecycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Bash scripts.

Developed automation scripting in Python (core) using Chef to deploy and manage Java applications across Linux servers.

Used test-kitchen to test chef cookbooks/recipes.

Used chef-provisioning tool to bootstrap vRealize catalog ids to chef server for build-test-teardown functionality.

Created chef roles, environments and databags.

Worked on Version control setups like Git and Integration tools like Jenkins.

Installed, configured and administered Hudson/Jenkins Continuous Integration Tool.

Developed automation framework for application deployments to the cloud environments.

Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes.

Developed shell scripts for automation of the build and release process, developed custom scripts to monitor repositories and server storage.

Performed and deployed builds for various environments like QA, Integration, UAT and Productions Environments.

Worked on the installation and configuration of the monitoring tool Nagios primarily used for monitoring Infrastructure resources.

Automated Nagios services for database server, web-server, application-server, networks, file sizes, RAM utilization, Disk performances using Python script in Chef.

To achieve Continuous Delivery goal on high scalable environment, used Docker coupled with load-balancing tool Nginx.

Bootstrapping automation scripting for virtual servers, using VMware clusters.

Designed, built, and used Powershell scripts for Active Directory (AD).

Created a functional and customized application in AutoIt to automate tasks in Active Directory based a spreadsheet including documentation on how to use newly developed application.

Continuously met deadlines well in advance by working with Identity and Access Management Team to build a customized application to fit the various skillsets of each user.

Automated the process of assigning and modifying access control lists for folder permissions.

Adapted to enterprise environment security in order to provide ongoing support for Powershell.

Epsilon, Irving, TX

August 2013 to July 2015

Build and Release Engineer

Environment: TFS, Clear Case, SVN, Jenkins, Nexus, Sonar, Eclipse 3.20, Ant, Maven, WebSphere Application Server (WAS), WebLogic, UNIX, Quality Center, Oracle 10g, Visual build, Hudson, J2EE.

Responsibilities

Release Engineer for a team that involved different development teams and multiple simultaneous software releases and implemented Continuous Integration Process.

Maintained current build systems, developed build scripts, and maintained the source control system.

Setting up servers through using UNIX for deployment or other uses for application.

Responsible for CI environments (Jenkins, Nexus, Sonar)

Developed build and deployment scripts using Ant and Maven as build tools in Jenkins to move from one environment to other environments and also create new jobs and branches through Jenkins.

Automated Deployment through ARM and monitoring different application consoles through their admin pages and WebSphere.

Enforced automation in build and deployment procedures, executed code builds and deployment activities.

Responsible for design and maintenance of the Subversion Repositories.

Managed the source codes repository of multiple development applications using Tortoise SVN.

Verifying the Correct Binaries before releasing to production environment.

Coordinated application releases with developer, DBA, QA and Project Management teams.

Configured the build.xml file and verified the source file for the correct release by means of Checksum concept.

Documented the detailed build configuration, build procedures, schedule build calendars and change history for releases.

Automated the entire importing and compilation process.

Developed Bash scripts to automate the build release processes.

Rolling out configuration management, change management and requirement management strategies to the development Team.

Migrated source control tool from Clear Case to Subversion (SVN) and build tool from Ant to Maven.

Configured JIRA workflows according to the needs to the CM team and integrated the project management features of JIRA with the build and release process.

Writing Docker files with best practices along with docker linting, Docker container management along with volumes, container-based DB and services, Docker Artifactory (Jfrog) configuration and setup.

Point team player on Kubernetes for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, Creation of Pods through new application and control the scaling of pods, troubleshooting pods through ssh and logs, writing/modification of Buildconfigs, templates, Image streams etc.

Working on (Red Hat/CentOS) administration and engineering experience (i.e., design, build, support, automate patching, etc.).

The only member in team involved for the configuration of complete eco system for Cloud bees, including Operation Center with HA and haproxy load balancer, Elasticsearch setup, Plugins Update Center, Kibana Analytics, haproxy load balancer. Setting shared slaves, enabling ssl setup, Cloud bees master s with http, configuration with CJOC Update center, LDAP setup on JOC and much more

A major team player in architecture, development of proprietary Build System.

worked on Docker container implementation for the Enterprise build system.

Involved in scrum based team meeting for improving and enhancement of Enterprise Build.

Provide support for clustered environments (Oracle RAC, OCFS2, GCFS, VCS).

Installed, configured, administered and supported secure remote access utilities and applications including but not limited to SSH, Secure Web Access, VSphere, and Remote X server access.

EDUCATIONAL QUALIFICATIONS

Bachelor of Technology in Electronics and Communication Engineering from JNTU, Hyderabad, India.