**Naveen Reddy**

**Email: navreddy36@gmail.com**

**Mobile: 772-249-1454**

**Professional Summary:**

Overall **7+ years** of IT industry experience comprising of DevOps/Cloud, Build Engineering and Release Management process, including end-to-end code configuration, building binaries & deployments of artifacts.

* Expertise in creating **DevOps strategy** in a mix environment of **Linux (RHEL, CENTOS)** servers along with **Amazon Web Services**.
* Experience in all facets of full CM process with tools such as **SVN**, **GIT**, **PVCS**, **Clear Case**, **Clear Quest**, **Perforce**, **Cruise Control**, **Jenkins, Bamboo, Chef** and **Puppet.**
* Adept in Installation, Configuration and Administration of **AIX 4.3/5.1/5.2/5.3/6.1**, **Red Hat Linux 8/9**, **RHEL 3/4/5/6/7**, **Red Hat Satellite 6, OEL 4/5**and **SUSE Linux 10/11**.
* Expertise in automating various build and deployments using **ANT, MAVEN, Perl, Ruby, MS Build, and Shell Scripts.**
* Extensively worked with tools like **Hudson, Jenkins, Team City, and Anthill Pro** to implement build automation.
* Experience in using **Nexus** and **Artifactory Repository** Managers for Maven builds.
* Administered and Implemented **CI** tools **Hudson** and **Jenkins** for automated builds.
* Implemented **Puppet** modules and manifests to automate configuration of a broad range of services like LAMP Stack, HTTP multiple Vhosts management.
* Design and implementation of a **Puppet-based** configuration management system for all new Linux machines (physical and virtual).
* Extensive experience in setting up **Chef Workstation, Server and Clients**.
* Created and Maintained **Chef Recipes** and **cookbooks** to simplify and expedite deployment of applications and mitigate user error.
* Worked on **Docker** and **Vagrant** for managing development environments through creation of Linux virtual containers.
* Experienced in **Ansible** Tower configuration, setup, and playbook setup.
* Experience in branching, tagging and maintain the version across the environments using Version Control tools like **Subversion (SVN), GIT, Clear Case and VSS** on UNIX and Windows environment.
* Experience in deploying **WAR**, **JAR**, and **EAR** files in **WebLogic**, **Web sphere**, **JBoss** application servers in **Linux/Unix/Windows** environment.
* Involved heavily in setting up the CI/CD pipeline using **Jenkins, Maven, Nexus, SVN, GitHub, CHEF, Terraform** and **AWS**
* Experience in Configuring and deploying to Application servers **WebLogic** and **WebSphere**.
* Experience in dealing with Microsoft Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling. Experience working with Amazon Web Services (**EC2/AWS**) **- Web consoles**, **APIs**, and **Security Groups.**
* Experience in **AWS – Elastic Load Balancer, VPC, Elastic IP’s, RDS and S3**.
* Created SCM Process, policies, procedures and Release Notes to follow Development and allow QA teams to Release and Deploy highest quality product for the enterprise.
* Proficient knowledge of writing scripts for automating tasks at different levels of build and release using **Bash, Ruby, Python, Groovy**, and **PowerShell** for automating tasks
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile**, **Scrum**, and **Waterfall** methodologies.
* Good knowledge on **ITIL Process** and coordinated releases across the projects.

**Technical Skills:**

**Configuration Management tools:** Puppet, Chef, Vagrant, Docker, Ansible, Kubernetes.

**Build Tools/ CI/CD servers:** Maven, Ant, Jenkins, Build Forge and bamboo.

**Cloud services:** AWS (EC2/SQS/SNS/S3/IAM/ELB), Azure, Rackspace, Openshift.

**Monitoring Tools:** Nagios, Splunk, ELK, Graphite, Data dog, AppDynamics, Cloud Watch.

**Web/Application Servers:** WebSphere Application Server (WAS), WebLogic, Apache Tomcat, JBoss, Server, IBM HTTP Server.

**Networking:** TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, VMware nexus switch, Cisco Routers/Switches, F5 load balancer.

**RDBMS:** IBM DB2, Oracle, MySQL, MS-SQL Server and MS-Access.

**Database:** NoSQL (mongo dB, DynamoDB), MySQL, PostgreSQL, Redis, RabbitMQ.

**Operating System:** Linux (RedHat Enterprise Linux, Fedora and CentOS, SUSE, Ubuntu), IBM AIX, Windows.

**Virtualization Tools:** Oracle VirtualBox, Vagrant, VMware Workstation, VMware vSphere.

**Programming Languages:** C, C++, Java, HTML, Python, Perl, Ruby and Shell Scripting.

**Professional Experience:**

**Client: Kaiser Permanente - Portland, OR July 2017 – Present**

**Role: AWS DevOps Engineer**

**Roles and Responsibilities in project:**

* Designed, configured and managed public/private cloud infrastructures using Amazon Web Services (AWS), which includes **VPC, EC2, S3, Cloud Front (CDN), CloudWatch, ELB, SNS, SQS, Lambda, Elastic Beanstalk and EC2 Systems Manager**.
* Build customized Amazon Machine Images (**AMI**), deploy AMIs to multiple regions and launch EC2 instances using these custom images.
* Configured AWS **Security Groups** which acts as a virtual firewall that controls the traffic for one or more AWS EC2 instances.
* Experience with secure-cloud configuration (**Cloud Trail, AWS Config**), networking services (**VPC, Security Groups, VPN** etc.) and created roles (IAM).
* Implemented various security best-practices including **IAM, Encryption, SSL termination, AD Federation, SAML integration** etc.
* Created infrastructure for **Kafka clusters** of different instances as per components in cluster using terraform for creating multiple EC2 instances and attaching volumes using EBS service.
* Experience in **AWS CloudFront**, including creating and managing distributions to provide access to S3bucket or HTTP server running on EC2 instances.
* Build infrastructure as a code using **Terraform and Cloud Formation** Templates (JSON and YAML).
* Implemented **Ansible Playbooks** using YAML script for various Linux roles like Nginx, Redis & common Linux services like apt, yum, syslog.
* Utilized **Kubernetes and Docker** for the runtime environment for the CI/CD system to build, test, and deploy.
* Installed and configured an automated tool Puppet that included the installation and configuration of the **Puppet master, agent nodes** and an admin control workstation.
* Configured **Puppet** Enterprise in POC for Windows and Linux Environments and successfully deployed the nodes.
* Involved in Designing and Implementing Puppet with Mcollective, Orchestration and code manger with R10K along with Git and Git Hub.
* Installation and configuration of Splunk product at different environments.
* Created an on-premise CI/CD solution using Jenkins and the Pipeline plugin which uses pipeline as code.
* Handled installation, administration and configuration of **ELK stack on AWS** and performed Log Analysis.
* Edited **Elasticsearch** config files and YAML files to meet the needs of the company environments.
* Develop Python, Shell and Ruby Scripts for automation and monitoring purpose.
* Built scripts on AWS cloud for scheduling EC2 Auto Scaling load balancer with python Boto.
* Involved in 24X7 Production support, Build and Migration Assignments.
* Used AppDynamics to monitor application and hardware performance and installed contrast agents in Application servers to scan application's security.

**Environment**: Git/Bitbucket, ELK stack (Elasticsearch, Logstash, Kibana), Nginx, Python, Jenkins, Ansible/Puppet, AppDynamics, AWS (S3, Cloud Trail, Cloud Watch, Ec2, IAM roles, Ec2 Systems Manager, Cloud Formation, Elastic beanstalk, VPC and KMS).

**Bank of America, Jersey City, NJ    Dec 2016 – June 2017**

**Role: Configuration Management Developer/DevOps Engineer**

**Roles and Responsibilities in project:**

* Monitoring day-to- day administration like adding user, group and maintenance operations of the company network and systems working on Linux Systems.
* Involved in developing custom scripts using **Python, Shell (bash), PowerShell** to automate jobs.
* Worked on **MongoDB** database concepts such as Locking, Transactions, Indexes, Replication, Schema design.
* Worked on Scheduling, deploying and managing container replicas on a node cluster using Kubernetes and created.
* Involved in setting up of **docker** and creating new images and getting images from docker hub and performing the builds.
* Developed build and deployment scripts using **ANT** and **MAVEN** for Java build tools in Jenkins to move from one environment to other environments. Integrated code coverage(Sonar) reports (xml).
* Designing **Ansible Playbooks** for zero-downtime installation, upgrade, downgrade, and uninstall processes.
* Implemented Ansible playbooks on **Ansible Tower** to deploy 3-tier Web applications, manage environment specific configurations, user access, Mount points and Package installations.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Documented process documents for Jenkins to build CI/CD Pipeline and Code deployment guide for Developers, Testers and Production Management.
* Worked on script to **rebalance Kafka** topics in an automated fashion using ruby and Kafka binaries.
* Developed and maintained the continuous integration and deployment systems using Jenkins, ANT, Maven, Nexus, Ansible and Ruby.
* Install and configure the **Rabbit MQ** environment for the Analytics and setup the supervisor for managing process availability.
* Written unit test cases using Junit and Mockito, functional tests using Ruby Cucumber framework.
* Implemented the **Chef Software setup and configuration** on VM’s from the scratch and deployed the run-list into chef-server and bootstrap the chef clients remotely.
* Used existing cookbooks from Chef Marketplace and customizing the recipes with respect to each VM.
* Deploying the cookbooks, recipes using knife tool from **Chef-DK Workstation** to Chef-server
* Created user, rpm packages and patch management & configuration implementations.
* Responsible for maintaining the run list on chef-server.
* Maintained **branches/forks** in **GITHUB** version control for the changes made in cookbooks as per release.
* Tied Ansible into automation and audit of Linux and UNIX security vulnerabilities by working closely with the security team; supported break fix activities using ticketing system (ServiceNow).
* Convey release notes to appropriate business partners as needed for each release.
* Design application specific SQL queries to troubleshoot raised production issues by LOB (Line of Business).

**Environment:**  Chef-DK, Chef workstation, Chef Server, Nginx, Nagios, Tomcat, VMWare, Red Hat Linux 5/6, Windows 2003/2008, Servicenow, GitHub, Jenkins, MongoDB, Shell script, Python, Ruby script.

**Noble-Soft Solutions/HPE, PA**  **Oct’ 15 to Nov’ 16**

**Role: DevOps engineer**

**Roles and Responsibilities in project:**

* Involved in designing and deploying a multitude application utilizing almost all the AWS stack (**Including EC2, Route53, S3, RDS, Dynamo DB, SNS and SQS**) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.
* Configure **AWS VPC** with public and private subnets and Security Groups to maintain high security.
* Reviewing and approving Change Management tickets to add and delete Ingress and Egress rules in security groups for AWS EC2 instances.
* Enabled logging to export logs to **cloud watch** by creating cloud watch log groups and grant EC2 instance access to write the logs log groups using **AWS IAM role**.
* Worked with Dev team to migrate application which is existing in own Data Center to AWS cloud with minimal production downtime.
* Written various Lambda services using **Python and Java**
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch and develop Cloud Formation scripts to automate EC2instances.
* Build **CI/CD pipelines** for application and service delivery into Cloud Foundry via Jenkins - build and release with **GIT and JFrog Artifactory**.
* Experience in using various network protocols like **HTTP, UDP, FTP, and TCP/IP**.
* Worked on **Puppet** for the deployment of servers with custom scripts.
* Maintained **ownership** of CMDB, **Release Branch** and making sure all the versions of the Releases are in place for further use.
* Taking an active part preceding over Software Configuration Management Meetings by suggesting branching strategies and **best practices** to promote **Parallel development** and **Agile development** practices
* Resolving **Release conflicts** regarding dates and accommodating in various Release/Build windows by negotiating with customers based on priority and other factors.
* CI builds are done using Jenkins/Hudson.
* Build are maintained in Jenkins/Hudson and **deployed** using plug-ins and Master-Slave setups.
* Trained all the developers for self-help to kick of single click builds and single click deploys.
* Wrote **XML**s and used **Ant** scripts to deploy to **WebSphere** and **WebLogic** environments.
* Enhanced Configuration Management using **(PUPPET)** to assist with automated, repeatable, and consist configuration and application deployments.
* Assisted Operations Team by writing specific **Puppet** manifests to deal with application installations and related configuration files.
* Responsible for scaling/upgrading/maintaining the application.
* Created custom developer tools and workflows for testing and releasing **Puppet** code
* Trained and communicated the release process to all the counterparts globally.
* Worked on Ant-Maven conversion process by authoring **POM Files**.
* Maintained all the **UNIX, Linux, AIX and Solaris** environments for deployments.
* Used **Remedy** to track the Change requests and Release requests for all the approvals and signoffs and other necessary attributes.
* Worked on installing and managing different monitoring tools like Nagios and Splunk
* Involved in **Shell and Perl scripts** for compilation and deployment processes and automation of builds and PowerShell for Windows deployment and administration.

**Environment:** AWS, SVN, GIT, Jenkins, Hudson, Web logic, Nexus, Sonar, JIRA, Oracle, Shell, WLST, Chef/Python, Ant, Maven, Java, Linux.

**M&T Bank, NY Aug’ 15 to Sep’15**

**Role: DevOps Engineer**

**Roles and Responsibilities in project: -**

* Installed **Chef-Server** Enterprise On-Premise/WorkStation/ Bootstrapped the Nodes using Knife.
* Configured and maintained automated environment using **Chef Recipes and cookbooks** to manage system configuration.
* Experience in dealing with Windows **Azure IaaS** - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, Traffic Manager
* Building and Installing Servers through **Azure Resource Manager Templates** or Azure Portal.
* Migrating an On-premises virtual machine to **Azure Resource Manager** Subscription with Azure Site Recovery.
* Developed procedures to unify, streamline and automate application development and deployment procedures with Linux container technology using **Docker**.
* Developing scripts for build, deployment, maintenance and related tasks using **Jenkins, Docker, Maven, Python and Bash**
* Configures **DNS, NFS, FTP, remote access**, and security management.
* Created a fully Automated Build and Deployment Platform and coordinating code builds, promotions and orchestrated deployments using **Jenkins and GIT**.
* By using Jenkins as a full cycle continuous delivery tool involving package creation, distribution and deployment onto tomcat application servers via **shell scripts** embedded into Jenkins jobs.
* Demonstrated experience in deploying and configuring applications on Windows and Linux environments and Create Image, configure, and install Windows and Linux VMs in a cloud environment.
* Worked with **JIRA** for creating Projects, assigning permissions to users and groups for the projects & Created mail handlers and notification Schemes for JIRA.

**Environment:** Sun Solaris, UNIX, Windows/Linux, Perforce, C#, .net, Visual Studio, PowerShell, Tomcat Apache,

**Info-grid Technologies, India July 2013 to July 2014**

**Role: DevOps Engineer**

**Roles and Responsibilities in project:**

* Experience with AWS services (**EC2, S3, RDS, EBS, VPC, IAM, Cloud formation, Auto scaling**) and provided enhanced security and identity access management (IAM) for AWS account.
* Managed the source codes repository of multiple development applications using Perforce version control tools and involved in **Testing - unit testing (JUnit**) & integration testing EJB's.
* Helped customers deploying their applications in **AWS cloud using Ops-works, Code deploy**, Elastic beanstalk, trouble shooting customer's cloud formation stacks.
* Working on AWS Auto Scaling for providing high availability of applications and EC2 instances based on the load of applications by using Cloud Watch in AWS.
* Working on providing DNS management using **AWS Route 53**.
* Worked in configuring Elastic Bean Stalk for developers to quickly deploy application for testing and pushing developed code for testing.
* Created and configured jobs, script builder, custom command builder, agents in Bamboo.
* Implemented Continuous Integration and Continuous deployment using various CI Tools like **Jenkins, Hudson, and Bamboo** etc.
* Setup up and maintenance of automated environment using **Chef Recipes& cookbooks** within environment. Good understanding on **Knife, Chef Bootstrap** process etc.
* Involved in phases of testing for example **Integration testing, Smoke testing, Performance testing and Load testing.** We are also using inbuilt test cases in Jenkins and running those tests on master branch.
* Installation and Configuration of Solaris, Linux and AIX and Windows/NT operating systems on large distributed environment.
* Managing Disks/File systems using Veritas Volume Manager.
* Setting and Managing **NFS, NIS, DNS, Shell Scripting**, patching.
* System performance tuning, User maintenance and security.
* Trouble shooting and problem resolutions in SUN, Linux and AIX servers.
* Procedural documentation of supporting applications as well as **SLA and escalation policies** to coordinate with the monitoring systems as deployed.
* Responsible for first and second level problem analysis and resolution for system and application tools utilizing already existing **UNIX scripts** and Windows run books.
* Installation and support of various versions of Oracle, SQL Server and MySQL databases.
* Used various networking tools such as **SSH, Telnet, RLogin, FTP** and Ping to troubleshoot daily networking issues.
* Ability to screen and diagnose client inquiries and problems, troubleshoot to clearly understand problems (root cause determination), solve problems, use operational documentation (runbooks).
* Responsible for administering and maintaining Linux work stations running **Apache web server.**
* Expertise in Linux backup/restore with tar including disk partitioning and formatting.
* Managed email (Postfix and Send mail), **LDAP** and Oracle services

**Environment:** Java, Ant, Maven, Jenkins, Aws, Junit, jQuery, XML, Json, Postman Chef, RHEL, Ubuntu.

**Info-grid Technologies, India Jan 2010 to June 2013**

**Build Engineer/Java Developer**

**Roles and Responsibilities in project:**

* Responsible for User Management, Plugin Management and End-to-End automation of Build and Deployment process using Jenkins and uDeploy.
* Build and deployment scripts MAVEN as build tools in Jenkins to move from one environment to other environments.
* Configured Managed and controlled the source code repository, currently housed in Subversion, GIT.
* Involved in Day-to-Day System Administration tasks on RHEL/CentOS 5.x/6. x.
* Monitored, troubleshooting, supported and fixed operating system and hardware problems on several versions of UNIX systems.
* Created test servers using Windows Server 2008 R2. Experience with Active Directory.
* Experience in installing, administering, updating/upgrading ESX/ESXi servers, Virtual Center servers and windows virtual machines using VMware Update manager and manual upgrades.
* Set up V-Motion, High Availability (HA), Distributed Resource Scheduler (DRS), and related VMware products such as VM Workstation.
* Experience in writing bash scripts for job automation.
* Developed a RESTful API that provided account management capability as well as security role lookup and management for all downstream dependencies.
* Involved in coding and testing of B2B financial application.
* Responsible for the design and development of the application framework.
* Designed and Developed UI's using JSP by following MVC architecture and Spring Framework.
* The views are programmed using JSP pages.
* Model is a combination of EJB and Java classes and web implementation controllers are Servlets.
* Used EJB for server-side transactions.

**Environment:** Jenkins, Git, Svn, Linux (Red Hat Enterprise, CentOS), Windows 2000/NT, HP, IBM, Solaris, Oracle 8i.