**Sandhya**

**Professional Summary:**

* Total 8 years of experience as a DevOps / Build and Release Engineer in automating, building, deploying, managing as Configuration Management, Continuous Integration, Continuous Deployment, Release of code from on environment to another environment
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
* Experience in branching, tagging and maintaining version across the environment using SCM tools like Subversion (SVN) and GIT.
* Extensive experience using MAVEN and ANT as Build Automation tools for the building of deployable artifacts (jar, war &amp) from source code.
* Experience in managing multiple CI tools like Bamboo, Hudson/Jenkins for automated builds and End to End deployments.
* Experience in using Bug tracking tools like JIRA, Remedy, HP Quality Center and IBM Clear Quest.
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker.
* Installed and configured automated tools like Ansible, Puppet, CHEF that included the installation and configuration of the master, agent nodes and an admin control workstation.
* Experience in Code quality tool SonarQube.
* Exposure to administration of servers such as Apache, Tomcat, WebLogic, JBoss& WebSphere.
* Extensive experience in running web scale services on Amazon Web Services(AWS).
* Experience with migration to Amazon Web Services AWS from Datacenter.
* Experience in working with Artifactory tool management with JFrog, Nexus, Maven and ANT.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging, deployment, release methodology and application configurations.
* Deployed and maintained Chef role-based application servers, including Apache, Nginx and Tomcat.
* **Working on AWS provisioning AWS EC2 Infrastructure and deploying applications in AWS Elastic load balancing.**
* **Experience with elastic beanstalk deployment using Jenkins and terraform.**
* **Extensively worked on building Pre-Baked AMI’s using Packer.**
* **Experience in Chef Automation including writing Cookbooks, wrappers, customized recipes for test driven development environments.**
* **Experience in build Docker base and run time images and deployed it to Artifactory Registry and ECR using Jenkins pipelines.**
* **Worked on Newrelic APM, Infrastructure, Insight, and server module configurations and automated it using terraform.**
* Experience working on Ansible writing playbooks for automation of infrastructure.
* Solid understanding of Operating systems like Linux, Unix, Windows.
* Expertise in Querying RDBMS such as Oracle, MY SQL and SQL Server by using SQL for data integrity.
* Experience in writing shell scripts to automate the administrative tasks and management using cron jobs.
* Experience in working on Linux operating systems such as CentOS, Red Hat, Ubuntu, Debian.
* Developing, Implementation, Deployment and Support of distributed enterprise scalable, secure and transactional J2EE applications.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.

**Professional Experience:**

**Humana Inc., Louisville, KY Apr 2019 – Till date**

**SR. DevOps Engineer**

**Description:** Humana Inc. is a health and well-being company. The Company's segments include Retail, Group and Specialty, Healthcare Services and Individual Commercial. The Retail segment consists of Medicare benefits, including dental, vision, and other supplemental health and financial protection products.

**Responsibilities:**

* Work closely with **project managers, release management, production support** to deploy releases successfully into **Production** in a timely manner.
* Configuring and maintaining **GIT** for version controlling development code for different developer teams.
* Maintain automation & network simulators; develop **Python** test scripts, run regression/sanity test release binaries.
* Implemented **Maven builds** with **Jenkins** to automate **JAR, WAR, and EAR**.
* Created and **maintained continuous integration** (CI) using tools **Jenkins**/**Maven** over diff environments to facilitate an agile development process which is automated and repeatable enabling teams to safely deploy code many times a day while ensuring operational best practices are supported.
* Experience in **Designing, configuring, automating and managing** multiple **servers** for different environments over **AWS** using **Ansible** playbooks to support the infrastructure needs of applications.
* Working in DevOps team on areas related to **Puppet** for **Cloud Automation**.
* Worked in designing and deploying AWS solutions using **EC2 instances, EBS, S3, RDS, Elastic Load Balancer** and **Auto scaling groups**.
* Documented standard operating procedures (SOP) for **troubleshooting**, **configuring**, and setting up **virtual servers**.
* Performed **Smoke Testing, Performance Testing and User Acceptance testing** and analyzed the test results.
* Automated the cloud **Deployments** using **Puppet Manifests** and **AWS** Cloud Formation Templates.
* Collaborated with development support teams to setup a continuous delivery environment with the use of **Docker**.
* Created local, virtual repositories in **JFrog Artifactory** and integrated with **Jenkins**.
* Implementing security there by enabling/disabling access to users on different applications and tools like: **AWS** Management Console, **Jenkins**, **Jira** and other legacy applications.
* Maintenance and monitoring of **Docker** in a cloud-based service during production.
* Designed and build various **Docker containers** to build and test various applications and also build **Docker images** for deployments.
* Handling & fixing all Server related issue there by, ensuring maximum availability of servers and its services.
* Supporting **Vendor** for various **application installations**.
* Worked on **Grub**, **PXEboot**, **Kickstart**, **Packages**, **Yum**, **RPMs**, **LVM, Boot** from **SAN**, file system Configuration.
* Provided support for **AWS Cloud** servers environment for project **Code Deployments** and **Oracle DB** installations and maintenance.
* Document **DevOps best practices** and standards to be followed by the team and circulate the same across various development teams.
* Worked closely with the development teams to **gather requirements** to support the **infrastructure** needs of the applications.

**Environment:** Ansible, AWS, Bamboo, New Relic, Dynatrace, JFrog, MAVEN, Remedy, Jira, MySQL, Docker, SonarQube, GIT, Stash, Red Hat 6.x,5.x, CentOS 5.x, 6.x, SUSE and Oracle EL v6, Windows 2008and 2012, VMware.

**Panera Bread, St. Louis MO Jan 2017–Mar 2019**

**Devops Engineer**

**Description:** Panera Bread is an American chain store of bakery café fast casual restaurants with over 2000 locations all of which are in the United States and Canada. Its headquarters are in Sunset Hills, Missouri, a suburb of St. Louis.

**Responsibilities:**

* Provided trainings to users on **Subversion (SVN), GIT, Jenkins** tool management practices and other tools.
* Ensured Subversion **SVN, GIT, Jenkins admin** activities and managing versioning & Centralized repositories, defining the branching strategies, maintaining the sanity of production code.
* Worked closely with Project Managers to understand a **code/configuration release scope** and how to confirm a release was successful.
* Expert in installing and configuring Continuous Integration tools such as **Jenkins** for **build and deployment automation** of the daily processes.
* Worked with **Development Team Leads and Testing team** to establish a **build schedule, execute software builds in subversion (SVN)/Git** and troubleshoot build failures, if any.
* Coordinated with the **Development**, **Database Administration, QA, and IT Operations** teams to ensure that there are no resource conflicts.
* Managed **GIT** branching and merging for older projects in multiple simultaneous releases.
* Build, manage, and continuously improved the **build infrastructure for software development** engineering teams including implementation of **build scripts, continuous integration infrastructure and deployment**.
* Develop Continuous Integration, Nightly and On-demand build system from scratch with **Jenkins, Maven, Ant**.
* Installed **Ansible playbooks** and Migrated Server to **AWS Ops Works** using which the cloud services are automated.
* Worked with AWS services like **Cloudwatch, EC2, RDS, Route53, VPC, SNS, Lambda, Elastic Search, Cloud Trial, AWS Config** and **IAM**.
* Deployed various applications over **Apache Tomcat** server using the configuration management tools such as **Ansible**.
* Maintain and develop Rational **GIT** schemas. Installation of **GIT** on client and servers. Manage and create status reports to analysis team performance and individual performance.
* Maintain **automation & network simulators**; develop **Python** test scripts, run regression/sanity test release binaries.
* Created Documentation for **Application Deployment** (WAR, JAR, EAR) in Domain and Clustered environments to achieve High Availability and Fail-over functionality.
* Managed all the bugs and changes into a production environment using the **JIRA** issue tracking tool.
* Configured **email and messaging notifications**, **managed users and permissions**, and system settings by using **Jenkins**.
* Configured **GIT** with **Jenkins** to schedule jobs using **Poll SCM** option
* Implemented and manipulated Shell and Perl scripts for release and build automation to suit the requirement.
* Used **Maven** as a dependency management tool to manage all the **dependencies** that are required.
* Developed **Shell Scripts** for manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Worked on installing and managing different automation and monitoring tools like **Nagios** and **Splunk**.
* Provided support for **AWS Cloud** servers environment for project **Code Deployments** and **Oracle DB** installations and maintenance.
* Scan and deploy patches and updates to the systems using Microsoft Windows Updates Services (**WSUS**) and keeping up-to-date patch-levels.
* Provide support for users, groups and security access to Active Directory objects including organizational units. Managed **AD** user accounts, access and group permissions in Win 2003 AD.
* Created various Batch jobs and time-based workflows to update the data regularly.
* Provided user support and bug fixing activities Using **HP Service Manager**.
* Managed software baselines and configurations, including labeling, branching/merging and promoting versioned files.
* Defined installation project to automatically generate **MSI** package for it and configured **MSI** package to create, delete and modify files, folders and their properties in scope of installation.

**Environment:** SVN, GIT, MAVEN, Ansible, AWS, python, Jira, HP Service Manager, Jenkins, Red Hat 6.x,5.x, CentOS 5.x, 6.x, SUSE and Oracle EL v6, Windows 2008 and 2012, VMware.

**DST Healthcare, Birmingham, Alabama** **Sep 2014 – Dec 2016.**

**Build and Release Engineer**

**Description:** Evolving compliance regulations, the expansion of Medicare and Medicaid, health insurance marketplaces, information digitization, privacy issues, and value-based payment models – all complicate your ability to effectively manage and deliver healthcare. Help you optimize individual consumer health outcomes to help increase revenues, while managing costs and risks.

Worked on moving the infrastructure from on-premise to cloud implementing packaging of builds, continuous integration and deployment processes of the application.

**Responsibilities:**

* Managing **GIT & SVN**, which includes creating new users, Branching, Merging the changes and writing some pre-commit & post-commit hook scripts.
* Configured and automated the **Jenkins Build jobs** for **Continuous Integration**.
* Developed **CI/CD** system with **Jenkins** on Google's **Kubernetes** container environment, utilizing Kubernetes and Jenkins for the runtime environment for the **CI/CD** system to build, test and deploy the artifacts.
* Used **ANT/Maven** and generated artifacts through **Hudson/Jenkins** for the source code.
* Deployed **JAR, WAR & EAR** artifacts into the **WebLogic servers** and **Apache servers**.
* Handling **JIRA** Administrative activities like creating new users, Resetting the password, creating new Project and Workflows, adding custom fields and others.
* Installed and Configured **Cron** jobs for automating some Build Processes.
* Installed and Configured **Nexus** to manage the artifacts in different Repositories.
* Used **Apache Tomcat** as application server for deploying the artifacts.
* Configured and maintained continuous delivery and build clouds with **OpenStack** and **AWS**.
* Designed and implemented Subversion metadata including elements, labels, attributes, triggers and hyperlinks.
* Coordinated Release effort amongst various teams **(Integration, QA, Testing, and Business Analysis)** in geographically separated environment.
* Used **Perl/Shell** to automate build and deployment Process.
* Documented the deployment process (**Migration Doc**) of code to production.

**Environment:** Subversion, ANT, MAVEN, Java.J2EE, OpenStack, AWS, Kubernetes, Hudson/Jenkins, puppet, Apache Tomcat, UNIX, JIRA, Perl Scripts and Shell Scripts.

**Chevron, Houston, TX Mar 2013 – Aug 2014**

**Role: DevOps/AWS Engineer**

**Responsibilities:**

* Plan, deploy, monitor, and maintain AWS cloud infrastructure consisting of multiple EC2 nodes.
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, Dynamo DB, SES, SQS and SNS services Ian AWS.
* Defined AWS Lambda functions for making changes to Amazon S3 buckets and updating Amazon DynamoDB table.
* Provisioned Redshift clusters for descriptive, predictive and prescriptive analytics of big data with traditional Business Intelligence tools
* Had knowledge on Kibana and Elastic search to identify the Kafka message failure scenarios.
* Design roles and groups using AWS Identity and Access Management (IAM).
* Managing the Open shift cluster that includes scaling up and down the AWS app nodes.
* Development of Kubernetes client in Go to create and update any object/resource out of the cluster
* Performed Integrated delivery (CI and CD process) Using Jenkins, Nexus.
* Involved in migration of Jenkins server, Sonatype Nexus.
* Developed Python scripts to put nexus backup to the S3 Buckets using boto3.
* Implement CI using Cruise Control .Net and evaluate TFS 2010 for migrating from existing version control system.
* Azure AD - Implemented Azure AD using AD connect, configured SSO and multifactor Authentication. Also configured SSO from Window 10 based computer which is joined to Azure AD. Implemented and managed AD synchronization.
* Exposed Virtual machines and cloud services in the VNets to the Internet using Azure External Load Balancer
* Extensive experience in Windows AZURE(IaaS) migrating like creating AZURE VMs, storage accounts, VHDs, storage pools, migrating on premise servers to AZURE and creating availability sets in AZURE.
* Installation, configuration and administration of Linux (Red Hat, Centos).
* Work with F5 load balancers to load balance & reverse proxy servers. Work with Cloud Trail, Cloud Front.
* Performed Build Integrations using Jfrog Artifactory.

**Environment:** AWS EC2, VPC, Auto scaling, ELBs, RDS, Glacier, ALBs, Red Hat, Cloud Watch, EBS, Directory Services, Route53, MySQL, AWS CLI, S3 Buckets, Maven, Jenkins, IaaS, Chef, GIT, Docker, Ruby, Python, Apache Tomcat, Load balancers, Google Cloud Platform(GCP)