

Vishnu Indukuri
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Professional Summary:

- 8 years of IT experience, Dependable, collaborative, and highly experienced Build, support and DevOps / AWS Release Engineer with an excellent reputation record as a successful team player and quick learner. Broad and deep expertise in Software Development Life Cycle (SDLC), DevOps, Project Management, Project Release and Configuration Management Plans.
- Expertise in building Continuous Integration and Continuous Delivery (CI/CD) on-prem and cloud environments using cutting edge DevOps tools like GitHub Enterprise/Cloud, Jenkins, Docker, Jira, Kubernetes, Artifactory and Ansible.
- Experience on Source Code Management systems such as, GIT, GitHub, Bitbucket, ClearCase.
- Extensive experience using MAVEN and ANT as build tools for building of deployable artifacts (JAR, WAR & EAR) from source code.
- Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
- In-depth understanding of the principles and best practices of Software Configuration Management (SCM) in agile and SCRUM methodologies.
- Experience in AWS solutions using EC2, S3, EBS, Elastic Load Balancer, Auto scaling groups, OpsWorks.
- Exposed to all aspects of Software Development Life Cycle (SDLC) such as Analysis, Planning, Developing, Testing, implementing and Post-production analysis of the projects.
- Experienced in deploying the code through web application servers like Web Sphere/Web Logic/ Apache Tomcat/JBOSS.
- Experience in using Bug tracking tools like JIRA, Bugzilla and IBM Clear Quest.
- Excellent experience in documenting and automating the build and release process.
- Expertise in troubleshooting the problems generated while building, deploying and in production support.
- Excellent communicative, interpersonal, intuitive, analysis and leadership skills with ability to work efficiently in both independent and teamwork environments.
- In-depth understanding of large complex software systems to isolate defects, assess risk and understand varied customer deployments.

Kroger, Remote
July 2022-Current
DevOps Engineer

Responsibilities:

- I worked on CI/CD setup using GitHub actions. Managed Kubernetes charts using Helm, and Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
- Implemented CI/CD system with Github actions on AWS utilizing kubernetes helm and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
- Stood up infrastructure using terraform IaC from scratch in aws environment.

- Have stood up EKS cluster established connection with RDS which has on-prem connection to get the data.
- Implemented Dynatrace for monitoring of aws infrastructure.
- Implemented Datadog as continuous logging for cloud infrastructure.
- Involved in Kubernetes upgrades and patch management.
- Involved in application release deployments for major, minor and patches.
- Automated various day to day tasks using terraform.

Verizon, Plano, Tx
Sep 2020-June 2022
DevOps Engineer

Responsibilities:

- Hands-on experience with Amazon Web services (AWS) and implemented solutions using EC2, S3, and RDS in cloud formation JSON templates, EBS, Elastic Load Balancer, Auto Scaling Groups, Auto scaling Launch Configuration and Auto scaling Lifecycle Hooks.
- Proficient in AWS services like VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
- Used CloudFormation/Terraform to build Dev, Staging and Prod environments and AWS EKS/Fargate to deploy containers.
- Used EKS to manage production deployments in multiple regions across the globe and participate in EKS upgrades regularly.
- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- Created S3 buckets in the AWS environment to store files, stateful files, which are required to serve static content for a web application.
- Worked on Continuous Delivery project, streamlining Dev workflow, integrating automated QE validation, and delivering standardized releases based on Docker to Operations for deployment.
- Virtualized the servers using the Docker for the test environments and dev-environments needs. And, configuration automation using Docker containers. Implementing Docker based containers maintaining Micro services using Docker.
- Installed and configured enterprise jfrog Artifactory from scratch to solve binary management issue in the company and reduce the load of source code.
- Extensive knowledge on Artifactory upgrades, backups and Ldap integrations
- Installed and administered Artifactory repositories to manage various projects artifacts with necessary permissions including docker, maven, go, rpm and helm.
- Utilized Artifactory deploy the artifacts generated by maven and stored the dependent jars which are used during the build as part of CI.
- Configured repository replication on Artifactory to manage latency and sync time for offshore teams.
- I have also used Jfrog CLI/API's to download, upload and update artifacts and also testing the functionality of Artifactory.
- Used Ansible to run Ad-hoc commands to get information from clusters of servers.
- Implemented Infrastructure automation through Ansible for auto-provisioning, code deployments, software installation and configuration updates
- Utilized Jenkins for enterprise scale infrastructure configuration and application deployments. Checking out the code from GitHub and using maven to build java-based artifacts.
- Automated various tasks of build/release/Infra management/hooks using Bash and Python scripts to support sustaining products.
- Installed and maintained private Docker registry and images for various products.
- Developed build and deployments scripts using maven as build tools in Jenkins to move from one environment to other environments.
- Configuration and setup of monitoring alerts for various DevOps tools and system resources using Nagios, Datadog and Splunk.

- Used Kubernetes as an open source platform for automating deployment, scaling and operations of applications containers across clusters of hosts, providing container centric infrastructure.
- Develop CI/CD system with Jenkins on AWS Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
- Used Ansible as an automation engine for cloud provisioning, configuration management, application deployment, intra service orchestration, multi-tier deployments and other needs, Provisioned load balancer, auto-scaling group and launch configuration for micro-services using Ansible.
- Maintained high availability clustered and standalone server environments and refined automation components with scripting and configuration management using Ansible.
- Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using Docker, Ansible, and Terraform. Responsible for creating Jenkins pipeline for deployment using Ansible.
- Experience in creating Docker containers leveraging existing Linux Containers and AMIs in addition to creating Docker containers. To achieve Continuous Delivery (CD) goal on high scalable environment, used Docker coupled with load balancing tool Nginx 1.5.9.
- Expertise in integrating Terraform with Ansible, Packer to create and Version the AWS Infrastructure. Created Docker images that handled Tomcat installation using major versions on the existing Maven-based image and tested these images.

Environment: AWS, Git, Linux, Windows, BitBucket, Jenkins, Ansible, Docker, Kubernetes, Nexus, Sonatype, Jira.

PNC Financial Services, Plano, TX

July 2017 – July 2020

SRE/DevOps Engineer

Responsibilities:

- Implemented a Continuous Integration and delivery (CI/CD) framework using Git, Jenkins, Artifactory and Udeploy, AWS for MIS teams.
- Worked on migration project. Have migrated numerous applications from harvest to bitbucket. Have migrated Code from Harvest and ClearCase into Github and Artifactory.
- Used GIT extensively for helping MIS teams to create their branching strategies.
- Used Splunk data Connector between Splunk Enterprise and Relational Database.
- Involved in IT infrastructure planning and engineering for Websphere and assigned systems.
- Implemented and maintained the assigned enterprise infrastructure systems to ensure successful deployment and operation support (24x7).
- Provided Deployment support for DEV, QA and Performance environments for Web Application, Windows Application, Web Service, Windows Services.
- Providing Application Support on Linux Servers which included Apache configuration.
- Support for application upgrade & rollback, services start/stop on Linux Servers. Supported systems integration testing and user acceptance testing.
- Administration of RHEL 6/7 which includes installation, configuration, testing on both physical and virtual machines.
- Involved in the Infrastructure Review to adequately represent ecommerce platform and other systems. Have resolved Snow tickets for new applications teams by creating new linux servers and onboarding of the new application with help of the enterprise devops tools.
- Also resolved day to day tickets in Snow such Jenkins pipeline creation, git branching strategies.
- Strong experience utilizing Jenkins for enterprise scale infrastructure configuration and application deployments. Checking out the code from the GitHub and use maven to build java-based artifacts.
- Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.

- Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
- Used AWS Beanstalk for deploying and scaling web applications and services developed with Java.
- Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
- Used Jenkins for enterprise scale infrastructure configuration and application deployments into Artifactory.
- Implemented maven plug in through Jenkins jobs for deploying the artifacts to Artifactory
- Created various repos on Artifactory server to acts as source of binaries and dependencies
- Built end to end CI/CD pipeline in Jenkins to retrieve code, perform tests, and publish build artifacts to Artifactory.
- Got official training by Jfrog for managing and administration of Artifactory and various integrations.
- Used Artifactory X-Ray to scan vulnerabilities especially for OSS and 3rd party softwares.
- Integrated Artifactory X-Ray to CI system to act as quality check at development level.
- Handled day to day Artifactory tickets to handle user requests to repo creation, access, permissions and integrations
- Possess good knowledge in creating and launching EC2 instances using AMI's of Linux, Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
- Developed shell scripts for automation of the build and release application level tasks.
- Established continuous integration (CI) practices and standards with JIRA, Jenkins and Bitbucket.
- Strong Experience in Apache webserver/JBoss EWS configuration.
- Extensively worked on JMeter to create Thread Groups and test Web Application for various loads on key business scenarios.
- Created and executed JMeter scripts for performance testing of portal.
- Developing Docker images to support Development and Testing Teams and their pipelines, distributed Jenkins, Selenium and JMeter images.
- Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on AWS. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
- Worked on deployment automation of all the micro services to pull image from the private docker registry and deploy to docker swarm cluster using Ansible.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on AWS.
- Used Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
- Used Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.

Environment: AWS, Git, Maven, Jenkins, Gradle, Websphere Application Servers, JBoss Application Servers, JIRA, Kubernetes, Docker, Junit, Sonar, Linux.

Capital Group, Irvine, CA

Jan 2016 - June 2017

Build and Release Engineer Engineer

Responsibilities:

- Worked extensively with AWS services like EC2, S3, VPC, ELB, Auto Scaling Groups, Route 53, IAM, CloudTrail, CloudWatch, CloudFormation, CloudFront, SNS, and RDS.

- Gained good experience by working with configuration management tool Ansible and CI/CD tool Jenkins.
- Managed Amazon redshift clusters such as launching the cluster by specifying the nodes and performing the data analysis queries.
- Performance test development for 'Continuous Benchmarking' using JMeter and Jenkins
- Design, Develop and Execute load tests using JMeter and Jenkins
- Created JMeter Test Cases to measure performance and functionality of web services
- Has very strong exposure on Performance using Loadrunner and JMeter
- Used regular expression for dynamic values in Jmeter.
- Worked on AWS Elastic Beanstalk for fast deploying of various applications developed with Java, PHP, Node.js, Python, Ruby and Docker on familiar servers such as Apache and IIS.
- Set up and built AWS infrastructure with various services available by writing cloud formation templates in json.
- With the help of IAM created roles, users and groups and attached policies to provide minimum access to the resources.
- Worked on the databases of the Amazon RDS and carried out functionalities for creating instances as per the requirements.
- Involved in Java API Creation to connect the Amazon S3 service to store and retrieve the media files.
- Implemented Amazon RDS multi-AZ for automatic failover and high availability at the database tier.
- Created CloudFront distributions to serve content from edge locations to users to minimize the load on the frontend servers.
- Configured AWS CLI and performed necessary actions on the AWS services using shell scripting.
- Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
- Led Jenkins continuous integration server installation and configuration for all GIT repositories.
- Configured Jenkins to perform nightly builds on daily basis and generated logs which can be monitored.
- Created UCM Projects, Development and Integration views for Development and Integration Streams.
- Developed scripts using Bash and Batch files for Automation of Activities and builds.
- Performed merges between different branches and resolved all merge conflicts successfully by working with development teams.
- Managed & performed environment related configuration changes as a part of deployment.
- Attended the Minor/Major Event change control meetings to get necessary approvals for the deployment request.
- Used Shell to automate build and deployment Process.
- Executed the DB Scripts (DML's), which have dependencies on the code on Oracle DB.
- Defined, implemented, and documented software deployment strategies and installation procedures.

Environment: AWS, GIT, Maven, Jenkins, Shell, Linux, Java/J2EE, Maven, Python, WebSphere Application Server (WAS).

Synchrony Financial, India
April 2012 – June 2015
Linux Administrator

Responsibilities:

- As a Linux/Unix system administrator maintain the various servers and Production Support of various applications in Red Hat Enterprise Linux, and Windows environment.
- Specified Experience in configuring and deploying Java and J2EE applications into application servers (Rational Websphere, Jboss and Apache Tomcat).
- Updated Maven build configurations and created integration tests and performance tests.
- Creation and maintenance of scripts for development and deployment.
- Maintenance of continuous integration based on Maven and Hudson.

- Created and maintain build automation shell, manage building fixes, merges, release cuts as needed, written scripts for environment changes in Bash for Web-sphere mapping modules to the enterprise application.
- Utilize the Perforce command interface to automatically pull source code for builds from Linux.
- Worked with technical teams to ensure release plans align with end to end activities.
- Conduct builds for suite of J2EE applications using Hudson, Maven and Ant
- Participated in the release cycle of the product, which involved environments like Development, SIT, QA, UAT and Production.
- Responsible for the building and deploying the artifacts into DEV, SIT and QA Environments.
- Created GIT configuration record for builds using derived objects generated during build audit process.
- Used MAVEN to automate the build process.

Environment: Java, J2EE, Maven, Ant, Linux, Jboss, Unix Shell Scripting.

TECHNICAL SKILLS:

Versioning Tools:	GIT, GitHub, Bitbucket, ClearCase.
Artifactory:	Jfrog, Nexus.
Build Tools:	Ant, Maven, MS Build, Make.
CI Tools:	Jenkins, AWS Codepipeline.
CD tools:	Ansible, AWS CodeDeploy.
Containerization:	Docker.
Orchestration:	Kubernetes, EKS.
Issue Tracking Tools:	Jira.
Monitoring tools:	Nagios, Splunk, ELK.
Testing Tools:	SonarQube, Junit, Selenium.
Languages:	Python, PL/SQL, Java/J2EE.
Scripting:	Shell, Python.
Cloud Platforms:	AWS.
Operating System:	Linux, Ubuntu, Cent OS, RHEL, Windows.
Web Technologies:	HTML, Java Script, XML, JDBC.
Web/App server:	Web Sphere, Apache, Tomcat, JBOSS.
Database:	Oracle, MySQL, SQL SERVER, MongoDB.

EDUCATION:

BS In Computer Science Osmania University 2012.
Masters Silicon Valley University 2016.