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Experience Summary

2.6 Years of Extensive experience in **DevOps, CI/CD**, software configuration Management, Build and Release Management including version control and process management.

- Experienced in Application Infra Setup, Application Configurations, Code Compilation, Packaging, Building, Automating, Managing and Releasing in Various Environments and Deploying to Multiple Servers.
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
- Implemented a production ready, load balanced, highly available ,Kubernetes infrastructure.
- Created Kubernetes Objects using Yaml files like Services, Deployments, PV, Secrets, Pods etc.
- Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production
- Working as Cloud Administrator on Microsoft Azure, involved in configuring Azure Kubernetes Service, Virtual Machines, Virtual Network, Storage Accounts, Resource Groups.
- In-depth understanding of principles and best practices of Software Configuration Management(SCM).
- Experience in automating application deployment in Dev, QA, Stag and Production environments.
- Worked on Microservices Architecture.
- Hands on experience in CICD of Java, Python, node and C projects.
- Hands on experience in writing Python Script.
- Experience in Aggregating the Test results of all the Projects to Analysis the overall test results.
- Good knowledge on Linux and Shell Scripting.
- Integrated Test Automation Tools in release pipeline to robust the build.
- Deployed Jar,War applications on Apache tomcat server using Jenkins auto deployment.
- Building tools and processes around CI/CD pipelines involving integrations with Jenkins, testing frameworks, github, sonarqube, artifactory, docker etc.
- Expertized in using Jira software with Jenkins and github for real time bug tracking and issue management.
- Knowledge of AWS and Azure Services and kubernetes.
- Excellent Analytical and Logical Programming skills with a good understanding at the Conceptual level.
- Innovative in approach, enjoy learning new methods and ideas, putting them into regular practice.
- Performs regular system maintenance, hardware, and software upgrades.

Technical Skills:

CI/CD Tools	Jenkins, JFrog Artifactory, Azure DevOps
Software Build Tool	Maven, Gradle, Makefile
Containerization	Docker, Kubernetes
Configuration Management	Ansible, Teraform
Version Control System	Git, Github,Gitlab, SVN, Perforce, Azure Repo
Operating Systems	Linux, Windows

Static code Analysis Tools	SonarQube, Veracode
Scripting	Python, Shell Script, Groovy
FrameWork	Django(Python)
Database	MYSQL
Cloud Services	AWS and Azure Services
Other Tools	Tomcat, Jira, Fisheye, Confluence, Slack

Organizational Experience:

VVDN Technologies, Gurgaon
December 2018 - Present (DevOps Engineer)

Project: Knee, Hip and Shoulder Transplantation Robots(Embedded Project)
Technologies: | Kubernetes | Perforce | Jenkins | Jenkins Pipeline | Docker | Docker Compose | CPP Check| JIRA | Shell Scripts |Slack Notification | Python | Groovy |

Responsibilities:
- Kubernetes is being used to orchestrate the deployment, scaling and management of Docker Containers.
- Implemented a production ready, load balanced, highly available ,Kubernetes infrastructure.
- Configuring CI/CD Tools from Scratch by Using Jenkins and integrating with different tools to achieve the continuous integration and continuous deployment.
- Created Kubernetes Objects using Yaml files like Services, Deployments, PV, Secrets, Pods etc.
- Write the Jenkinsfile(Jenkins Pipeline) With Parameters including all Stages like code compilation, packaging, building, automating, managing and releasing/Deployment.
- Integrate Perforce with Jenkins to Automate code checkout in Jenkins.
- Integrate the slack and Email For Notification About Build Status With Jenkins.
- Integrate the Unit test cases in the pipeline to check code quality and coverage.
- Fail the Pipeline if a specific number of test cases are failing.
- Integrate cpp check Static code analysis tool with Jenkins for Scan the code.
- Deploy Artifacts into the Jfrog Artifactory with proper versioning.
- Used Docker to get dependencies So no need to install all things on Jenkins Server.
- Written Dockerfile and docker compose file to run services.
- Integrating various Version control tools, build tools and deployment methodologies (scripting) into Jenkins to create an end to end orchestration build cycles.
- Build and configure Jenkins slaves for parallel job execution.
- Worked closely with QA Teams, Business Teams, and DBA team and Product Operations teams to identify QA and UT cycles release schedules to non-prod and prod environments.
- Written Python Scripting to automate the tasks.
- Performed all necessary day-to-day GIT support in the project.

Project: Cloud Governance Platform
Technologies: | Jenkins | Jenkins Pipeline | Python | Docker | Git | Maven | SonarQube | JIRA Automation | Shell Scripts |Slack Notification | EC2 | ECS | ECR |

Responsibilities:

- Created k8 Services and Deployments for various applications.
- Automate the Deployment With Continuous Integration, Continuous Delivery, (CI/CD).
- Write the Jenkinsfile(Jenkins Pipeline) With all Stages like code compilation, packaging, building, automating, managing and releasing/Deployment.
- Experience of Multi Branch Pipeline in Jenkins by this One Jenkins Job can handle all Branches Deployment.
- Integrated GitHub into Jenkins to automate the code checkout process.
- Integrate the slack and Email For Notification About Build Status With Jenkins.
- Integrate Static code analysis tool SonarQube Or Veracode with Jenkins for Scan the code.
- Experience in using Maven as build tools for the building of deployable artifacts.
- Created Docker image deployable artifact of source code.
- Used AWS ECR to store docker images.
- Automated ECS deployment using Jenkins.
- Automate the Jira Tickets with Jenkins like Automate Status Change, Add Comments.
- Integrating various Version control tools, build tools and deployment methodologies (scripting) into Jenkins to create an end to end orchestration build cycles.
- Automated various tasks using Python Scripting.
- Written the server deployment Script.
- Performed all necessary day-to-day GIT support in the project.

Project : Designing, CICD Activities, Scripting and Management.

Technologies: | Jenkins Pipeline | Github | Artifactory | SonarQube | Azure Devops | Kubernetes | Maven | Docker |

Responsibility:

- Build development plans, system requirements, technical specifications, design and test case document and their sign-off from the Project manager.
- Written Jenkins file for building the process with different stages using a multibranch pipeline.
- Worked on Azure Devops for CD to deploy the application into Kubernetes cluster.
- Maintaining the artifacts in Jfrog Artifactory.
- Integration of many plugins like SonarQube, email, artifactory to improve the quality of code and process.
- Worked on server hardening like securing the server with managing keys, firewall restrictions, weekly auditing.
- Deployment handled for many cloud service providers like AWS, Azure for services like ECR/ACR, ECS, kubernetes pods.
- Remote login to Virtual Machines to troubleshoot, monitor and deploy applications.

Education:

- 2018: **B.Tech.** in CSE from Rajasthan Technical University with 72%
- 2014: **12th** from Rajasthan Board of Senior Education(RBSE) with 76%
- 2012: **10th** from Rajasthan Board of Senior Education(RBSE) with 72%

Personal Details:

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