

# CHIRANJEEVI YARABOLU

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## **PROFESSIONAL EXPERIENCE:**

- ❖ Having 4+ years of experience in DevOps /Build and Release Management for java applications.
- ❖ Expertise in DevOps, Build and Release Engineering, Configuration Management, Cloud Infrastructure, Automation. It includes Amazon Web Services (AWS), Ant, Maven, Jenkins, ansible, Docker, Git, GitHub, Tomcat, Linux etc.
- ❖ Good understanding of the principles and best practices of Software Configuration Management (SCM) and Closely worked with development, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
- ❖ Extensive experience in defining the branching and the merging strategies, creating baselines and releasing the code.
- ❖ Extensive experience on Build Automation and Continuous Integration concepts by using tools like ANT, Maven, Jenkins. Performed integration of Code Quality Analysis Techniques like Find Bugs with CI (SonarQube) tools.
- ❖ Designed and developed the deployment automation framework converting from GUI based deployment to script-based deployment which reduced the deployment time from 4 hours to 1 hour.
- ❖ Auto Scaling of Infrastructure using Amazon Cloud Formation and Ansible Deployment scripts and also Continuous Integration using Ant, Maven using Jenkins.
- ❖ Experience in using Nexus and Artifactory Repository Managers for Maven and Ant builds.
- ❖ Experience working on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configuration.
- ❖ Production experience in large environments using configuration management tools like Ansible.
- ❖ Good Exposure with Ansible, Creating Ansible Playbooks required for the configuration required for the application.
- ❖ Basic Python Scripting Knowledge.
- ❖ Experience in working on Docker containers,
- ❖ Knowledge on Kubernetes like Deployments, services, pods, Replica Sets etc.
- ❖ Experience in working on Docker Swarm environments.

## **WORK EXPERIENCE:**

- Have been working with Tata Consultancy Services Pvt.Ltd as a **DevOps Engineer** since June 2016 to till date.

## **ACADEMIC CHRONICLE:**

- Bachelor of Technology (B.Tech) in Electronics & Communication Engineering from Mahatma Gandhi Institute of Technology, Hyderabad.

## **TECHNICAL EXPERTISE SUMMARY:**

Platforms : Windows & Linux.  
Scripting : Shell Scripting.  
SCM/Build Tools : GIT, ANT, Maven  
Application Servers : Apache Tomcat  
DevOps Tools : AWS, Docker, Ansible, Kubernetes  
CI Tool : Jenkins

## **PROJECT # 1:**

<b>Client/Company</b>	Enbridge Pipelines
<b>Role</b>	DevOps Engineer
<b>Duration</b>	June 2016 – till date

## **Roles and Responsibilities:**

- ✓ Work as part of DevOps system team to deliver the releases to production environment in a timely manner.
- ✓ Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Shell scripts to automate routine jobs.
- ✓ Installed, Configured and Administered Jenkins Continuous Integration Tools.
- ✓ Proposed, Implemented and maintained New Branching strategies for development teams to support trunk, development baseline codes along with several feature branches.
- ✓ Managed environments DEV, SIT, QA, UAT and PROD for various releases and designed instance strategies.
- ✓ Design EC2 instance architecture to meet high availability application architecture and security parameters.
- ✓ Implemented CI/CD pipelines using AWS, which will spin up on demand instances as required.

- ✓ Configured AWS EC2 Instances using AMIs and launched instances with requirements of specific applications.
- ✓ Creating the automated build and deployment process for application, re-engineering setup for better user experience, and leading up to building a continuous integration system for all our products.
- ✓ Managed build server and setup/monitor daily continuous builds and deployments to the Development, Test and Production environments.
- ✓ Gather build specifications, written build/deployment instructions, and instruct teams in the operation of Continuous Integration and automated deployment tools.
- ✓ Developed build and deployment scripts using MAVEN as build tool in Jenkins to move from one environment to other environments and also create new jobs and branches through Jenkins.
- ✓ Created Ansible playbooks to automate system operations. Created monitors, alarms and notifications for EC2 hosts using CloudWatch.
- ✓ Used Ansible to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, Packages.
- ✓ Installed and maintained the GIT repositories.
- ✓ Integrated delivery (CI and CD process) Using Jenkins.
- ✓ Defined best practices for source control, continuous integration, automated testing and release management.
- ✓ Performed development testing from the initial stages of development to the final deployment-ready package to ensure consistent results.
- ✓ Implemented new projects builds framework using Jenkins & maven as build framework tools. Used Maven as build tool on Java projects for the development of build artifacts on the source code.
- ✓ Downloaded/installed Docker images from Docker hub using Docker pull down
- ✓ Worked as a system administrator for the build and deployments process on the enterprise server.
- ✓ Worked with Docker containers which are lightweight and fast for reducing the cycle time of development, testing, and deployment.
- ✓ Knowledge on Kubernetes like Deployments, services, pods, Replica Sets etc.
- ✓ Experienced in working on Docker Swarm environments.

**Tools Used: RHEL, GIT, Maven, Jenkins, Ansible, AWS, Docker, shell scripts, Amazon EC-2**