

MAYUR CHAUDHARI

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SR. DEVOPS ENGINEER PROFILE

Goal-oriented DevOps professional with rich experience in Release and Deployment management, CI-CD, Cloud DevOps, Build & Packaging, Software Development, Change and Configuration management, Requirement Management with expertise that directly results in efficiency, improvements, security, time & cost savings.

AREAS OF EXPERTIS: Continuous Integration | Source Code Management | Automation Deployment | Build and Packaging | Cloud DevOps | Requirement Management | Software Development

PROFILE SUMMARY

- **B.E. (Computer) with 6.6+ years of experience** in Release and Deployment management, CI-CD pipeline, Cloud DevOps, Automation deployment, Tools Upgrade/Patching, Requirement and Change Management.
- Experience of handling entire end to end client engagement in AUTOMOTIVE, FINANCE, TELECOMMUNICATION, INVESTMENT BANKING, INSURANCE and IT domain.
- Working experience on continuous integration using SVN, GIT, IBM RTC, Maven, Jenkins.
- Extensive hands on with Jenkins, for continuous integration and end-to-end automation tools for deploying.
- Good experience in creating and configuring new Build jobs, Plug-ins Management, distributed builds using Master/Slaves and other administration tasks in Jenkins.
- Hands on experience in various IBM Rational tool suite for all SDLC phases.
- Written and hands on creating Docker file, Docker compose, Adhoc commands, Containerization, along with Kubernetes.
- Creation of playbooks & Roles with Yaml and Used Ansible server and workstation to manage and configure nodes.
- Experience in automatic deployment management using IBM's Urbancode deploy.
- Excellent Agile Process & DevOps methodology understanding.
- Strong development and troubleshooting skills.
- Hands on experience in Terraform as IaC for AWS building infrastructure.
- Hands on experience on TeamCity & Octopus as part of CI-CD pipelines and integration of tools.
- Hands on of AWS (EC2, S3, IAM, VPC, CLOUDWATCH, LAMBDA) etc.
- Hands on experience of Azure DevOps, ARM templates, & Azure resources viz VMs, storage accounts, Virtual n/w etc.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES	: C, JAVA, SQL, Web Technologies
SCRIPTING LANGUAGES	: JavaScript, Bash/shell scripting, Batch script, Python Basics
DATABASE	: Oracle, MySQL
OPERATING SYSTEM	: Windows, LINUX
IBM TOOLSS	: Rational Doors, Rational Team Concert (RTC), Urbancode Deploy, Rational Functional Tester (RFT), Rational Performance Tester (RPT), RLKS
OTHERS	: Jenkins, GIT, Jira, Confluence, Docker, K8s, Terraform, Ansible, TeamCity, Octopus, Eclipse, Nexus, Visual Studio, Appium, Selenium, Tomcat.
CLOUD TECHNOLOGY	: AWS, Azure DevOps.

WORK EXPERIENCE.

Tata Consultancy Services (India), Nov'20 – till date
Sr. DevOps Engineer

MIGRATION TO AZURE DEVOPS CI-CD PIPELINE

02/2023 – Till Date

DESCRIPTION: To migrate the existing CI-CD pipeline from TeamCity & Octopus to Azure DevOps as per client requirement and client's existing standard across organization.

TEAM SIZE: 3-5

ROLE: SR. DEVOPS ENGINEER

TOOLS: Bitbucket, TeamCity, Jfrog, Octopus, Azure DevOps (Boards, Repos, Pipeline) etc.

ROLES & RESPONSIBILITIES:

- To make a strategy to migrate all code Repositories to Azure code Repo & Migrate all repos.
- Do a POC and create CI-CD Yaml pipeline to migrate Java & .NET based applications to Azure

- Creation of Azure templates to enhance existing Azure pipeline.
- Set up of Azure agents and Setting up On-prem agents in Azure.
- Worked on ARM templates.
- Support the team for any issues and help.

STREAMLINE CI-CD PIPELINE USING TEAMCITY & OCTOPUS

04/2022 – 02/2023

DESCRIPTION: To streamline the CI-CD pipeline using tools like Bitbucket, TeamCity, Jfrog, and Octopus.

TEAM SIZE: 3-5

ROLE: SR. DEVOPS ENGINEER

TOOLS: Jira, confluence, Bitbucket, TeamCity, Jfrog, Octopus.

ROLES & RESPONSIBILITIES:

- Create, enhance and maintain the CI-CD pipeline in TeamCity.
- Creation of Projects and integration of TeamCity with Octopus.
- Deployment configuration in Octopus.
- Writing of script as per need.
- Support & help the team with respect to DevOps issues and production releases.

INFRASTRUCTURE MANAGEMENT & CONFIGURATION VIA TERRAFORM & ANSIBLE

7/2021 – 5/2022

DESCRIPTION: To create and configure the AWS infrastructure for certain chatbot based applications. The setting up infra is through the Terraform and configuration is done via Ansible.

TEAM SIZE: 2-3

ROLE: AUTOMATION ENGINEER

TOOLS: Terraform, Ansible, AWS resources etc.

ROLES & RESPONSIBILITIES:

- Creating and maintaining Ansible roles in AWS GIT.
- Create Terraform Scripts for building aws infrastructure.
- Creation and maintaining AWS pipeline to trigger everything.

DEPLOYMENT MANAGEMENT VIA ANSIBLE

05/2021 – 12/2021

DESCRIPTION: To streamline the deployment of infra & application deployment with Ansible AWX. Existing chef deployment migration to Ansible. Deployment management via ansible AWX/tower.

TEAM SIZE: 8-10

ROLE: DEVOPS ENGINEER

TOOLS: Jira, confluence, Git, Bamboo, Ansible AWX etc.

ROLES & RESPONSIBILITIES:

- Creating and maintaining Ansible roles in GIT.
- Creation of Ansible AWX template, Project, Credential's configuration, Inventory management.
- Ansible playbook writing for infra and application deployment.
- Trigger ansible AWX deployment through Bamboo.
- Writing the Bamboo project setup, Bamboo plan etc.

BUILD & DEPLOYMENT FOR MICROSERVICE BASED APPLICATIONS

03/2021 – 12/2021

DESCRIPTION: To build the microservice java spring boot based applications and deploy to the kubernetes cluster.

TEAM SIZE: 5-6

ROLE: DEVOPS ENGINEER

TOOLS: GitHub, Jenkins, Docker, Kubernetes etc.

ROLES & RESPONSIBILITIES:

- Write the docker files for multiple microservices.
- Write the kubernetes service & deployment Yaml files.

- Setting up Jenkins Pipeline to trigger everything.

CONTINUOUS INTEGRATION & CONTINUOUS DELIVERY PIPELINE

11/2020 – 12/2021

DESCRIPTION: Enhance, Support the existing continuous integration and continuous delivery pipeline.

TEAM SIZE: 5

ROLE: DEVOPS ENGINEER

TOOLS: Jira, confluence, Git, Jenkins, Nexus, UCD, Putty, WinSCP etc.

ROLES & RESPONSIBILITIES:

- Enhance existing CI-CD process.
- Support the team for issues with the DevOps expertise.
- Setup Jenkins pipeline & pipeline configuration, Jenkins nodes and its configuration, etc.
- Create the UCD component process, application processes, scripts, environment gates, template etc.

Datamato Technologies Pvt. Ltd., Pune (India) & Dubai (UAE), May'17 – Oct'20

Software Engineer (DevOps)

RELEASE AND DEPLOYMENT MANAGEMENT

06/2019 – 10/2019

DESCRIPTION: Streamline the release and deployment management process for the entire organization, which will provide capabilities for planning, scheduling, executing and monitoring the release management process. CI/CD pipeline for entire process right through the CR initiation / planning, development, release management and deployment.

TEAM SIZE: 8

ROLE: DEVOPS ENGINEER

TOOLS: RTC, RTC SCM, Git, Jenkins, Nexus, UCD, Eclipse, Putty, WinSCP etc.

ROLES & RESPONSIBILITIES:

- Creating and maintaining the development and release branches (streams) on IBM RTC Source control.
- Responsible for installing Jenkins master and slave nodes, creation of Jenkins jobs for all applications for all the environments.
- Artifact maintenance (Package repository) using Nexus.
- Deployment configuration in Urbancode deploy.
- Streamline a CI-CD process using Jenkins i.e., toolchain pipeline creation using Jenkins for RTC SCM/GIT, Jenkins, Nexus, UCD.
- Solution demonstration to end user.

CONTINUOUS INTEGRATION & CONTINUOUS MOBILITY TESTING USING JENKINS & APPIUM

03/2019 - 06/2019

DESCRIPTION: Form a Continuous Integration and Continuous Testing process using Jenkins and Selenium/Appium for the client's application.

TEAM SIZE: 3

ROLE: AUTOMATION ENGINEER

TOOLS: Eclipse, Selenium, Appium, RFT, RPT, Android Studio etc.

ROLES & RESPONSIBILITIES:

- Creation of Jenkins jobs for all the environments.
- Responsible for installing Jenkins master and slave nodes.
- Jenkins configuration, Pipeline job configuration.
- Help in continuous testing logic development.

CI-CD CONFIGURATION, REQUIREMENT MANAGEMENT & IT'S CUSTOMIZATION USING DXL

05/2018 - 02/2018

DESCRIPTION: Configured CI-CD pipeline for the java applications using Jenkins, Git, RTC, Tomcat, Docker, Ansible. Consulted the customer on adopting IBM Rational DOORS for user level. Created DXL scripts which was mainly used to fetch the metadata of the requirement module/s. Configured the RTC and its attributes as per the client need and as per agile process.

TEAM SIZE: 6

ROLE: DEVOPS ENGINEER, DOORS CONSULTANT, DXL & JAVA DEVELOPER.

TOOLS: Eclipse, Rational Doors, IBM RTC, Jenkins, Tomcat, Docker, Ansible.

ROLES & RESPONSIBILITIES:

- Creating and maintaining the development streams on IBM RTC Source control and GIT.

- Creation of Jenkins pipeline for the java applications for all the environments.
- Involved in automatic deployment configuration of the java applications on Tomcat.
- RTC configuration and customization using java, Requirement automation using DXL scripting for Rational doors.
- Setup password less SSH configuration for ansible nodes.
- Creation of playbooks using Yaml.
- Containerization of the applications, used docker file to build an image.
- Used Adhoc docker commands.

CONTINUOUS DEPLOYMENT AUTOMATION

01/2018 - 05/2018

DESCRIPTION:

Client used IBM Urbancode Deploy tool which is known for automation deployment to bring their products and services in market, as quickly as possible, in a secure way. The deployment process which was manual initially, then automated through UCD. Pre and Post deployment requirement was also fulfilled through UCD automation.

TEAM SIZE: 3

ROLE: DEVELOPER & DEVOPS ENGINEER

TOOLS: Eclipse, UCD etc.

ROLES & RESPONSIBILITIES:

- Design deployment strategy for all the applications and for all the environments.
- Creation of deployment workflows & Deployment configuration in Urbancode deploy.
- Write a shell scripting for deployment management.
- Tomcat for application server deployment.

IBM DOORS CONNECTOR USING .NET & CONTINUOUS INTEGRATION USING JENKINS

08/2017 - 01/2018

DESCRIPTION:

The project purpose was to implement connector to IBM RATIONAL DOORS (Dynamic Object-Oriented Requirement System) that allowed their requirements for Retrieval, Creation, Update, Deletion. Then Rational doors used to fetch data(requirement) using DXL scripting and generated the XML file. .NET was used to validate the returned data by doors with expected results using N-Unit. Jenkins job configuration to trigger the build of the connector.

TEAM SIZE: 5

ROLE: DEVELOPER AND AUTOMATION ENGINEER

TOOLS: IBM Rational Doors, Visual studio etc.

ROLES & RESPONSIBILITIES:

- IBM RATIONAL DOORS DXL scripting.
- Jenkins job configuration trigger the build of the connector.

ACCOUNT MANAGEMENT USING JAVA

05/2017 - 08/2017

DESCRIPTION:

The project purpose was to manage an account of datamato's client accounts (India as well as foreign) where in this web application used to manage client's related info viz deals, related documents, leads for other projects etc.

TEAM SIZE: 4

ROLE: DEVELOPER AND TESTER

TOOLS: Eclipse etc.

ROLES & RESPONSIBILITIES:

- Java code development, Perform unit testing, documentation.

EDUCATION

B.E. (Computer) from Savitribai Phule Pune University in 2015

PERSONAL DETAILS

Date of Birth: 17th Sept, 1993; **Languages Known:** English, Marathi and Hindi | **Location Preference:** Pune

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