

Pasupuleti Narasimha Rao

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Summary: Over 6 Years of experience in IT industry as DevOps/ Agile operations, Linux Administrator, Build/Release Management, Change/Incident Management and Cloud Management

Certifications:

AWS Certified Solutions Architect – Associate (Validation Number: FDHLGRFLJ2R1QXWH)

Certified Kubernetes Administrator – (Validation Number: LF-j1fansf8mf)

Version Control & Collaboration:

- Proficient in Git for version control and GitHub/BitBucket for remote repository management.

Build & Deployment:

- Extensive experience with Maven for building Java projects.
- Utilized Jenkins, Bamboo, and Azure DevOps for continuous integration (CI) pipelines.
- Hands-on with Docker for containerized deployments.
- Implemented CI/CD pipelines using GitHub Actions.

Configuration Management & Orchestration:

- Expert in Ansible for infrastructure and application configuration automation.
- Experience with Terraform for infrastructure provisioning as code.
- Managed Kubernetes clusters, deployments, and services using YAML manifests and Helm charts.

Cloud Computing:

- In-depth knowledge of AWS services like EC2, EBS, VPC, S3, RDS, IAM, and CloudFormation for cloud infrastructure management.

Monitoring & Alerting:

- Leveraged ELK stack for application log analysis and performance monitoring.
- Utilized Nagios and Dynatrace for infrastructure and application health monitoring.

Scripting & Automation:

- Strong scripting skills in Bash and Python for automation tasks.

Additional Skills:

- Experience managing web servers (Apache Tomcat) and application servers (WebLogic).
- Performed deployments across various environments (Dev, QA, Perf, UAT, PROD).

Experience



Consultant

Virtusa Private Limited

May 2022 – Present (2 Years)

Project 1 : BaselCAT

Team Size : 6

Environment: Git, BitBucket, Azure DevOps, Ansible Tower, Bamboo, Python

Responsibilities:

- Responsible for migration of Source Code from Bitbucket to GitHub.
- Migration of Bamboo plans to Azure Devops by refactoring the pipelines
- Creating CI/CD Pipelines by integrating Azure Devops, GitHub, Jfrog, Ansible Tower
- Design and Implementation of Branching strategies, Enabling branch protection and configuring pipeline triggers from SCM Repositories
- Performed continuous build and deployments to multiple environments
- Deployed the War files in Apache tomcat servers using Ansible through Azure Pipelines
- Parameterizing the ansible tower job templates to deploy artifacts to various environments such as Dev, QA, UAT
- Configured Email Authentication to trigger the Azure Pipeline post check-in to the Github Repo.

Project 2: OpenPages

Team Size : 6

Environment: GitHub, ArgoCD, Kubernetes, Docker, GitHub Actions, Shell Script, Jfrog, Terraform

Responsibilities:

- Responsible for managing the GitOps workflow using ArgoCD, ensuring seamless synchronization between Git repositories and Kubernetes clusters.
- Automated CI/CD pipelines using GitHub Actions for building Docker images and deploying applications to Kubernetes clusters.
- Implemented Kubernetes deployment strategies, including blue-green and canary deployments, to ensure zero-downtime updates.
- Streamlined Docker image building processes to optimize size, security, and build efficiency.
- Collaborated with infrastructure teams to implement infrastructure as code practices, automating the provisioning and configuration of Kubernetes clusters using tools like Terraform.
- Implemented monitoring and logging solutions using Prometheus and Grafana to track application performance and system health.
- Ensured adherence to security best practices and compliance standards throughout the deployment lifecycle, implementing security scanning tools and access controls.
- Documented deployment processes and best practices, facilitating knowledge sharing among team members.

Associate Consultant

Flex

Jul 2018 – May 2022 (4 Years)

Project 1 : Payment Workbench

Team Size : 6

Environment: Git, Maven , Jenkins, Docker, AWS, Apache Tomcat, shell, Kubernetes

Responsibilities:

- Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a JAR and WAR.
- Creating CI/CD pipelines by integrating Git, GitHub, Maven, Jenkins, Kubernetes.
- Performed Continuous Build and deployments to multiple environments like Dev, QA, and Staging.
- Coordinating with developers for check-ins, checkouts, build failure related issues.
- Deployed the War files using Apache Tomcat server image in Kubernetes container
- Created Clusters using Kubernetes and worked on creating many pods, replication controllers, replica sets, services, deployments, labels, health checks and ingress by writing Yaml files.

Project 2 : TITAN/eBPM Application

Team Size : 6

Environment: WebLogic 10g and 12c, F5, Oracle11g DB, Redhat Linux, J2EE, Jenkins, AWS

Responsibilities:

- Hands on experience in EC2, VPC, Subnets, Routing Tables, Internet Gateways, IAM, Route53, VPC Peering, S3, ELB, RDS, Security Groups, Cloud Watch, SNS on AWS
- Involved in performance tuning of JVM and used Garbage collection Algorithms for better performance. Configured Nagios monitoring system to monitor the Applications
- Hands on working experience on Ansible and writing playbooks for configuring and copying files on to Test/UAT environments, Patching the Application Servers
- Investigating on the issues and fixing them. In case of Runtime issue, gathering runtime files like thread dumps, then analyses them and finding the root cause analysis.
- Deployment of web and enterprise applications and their updates in production, pre-production using Admin console and Application of Oracle Security Patches to all environments

Education



SVKM's Narsee Monjee Institute of Management Studies (NMIMS)

Postgraduate Degree, Information Technology and System Management

2021 - 2022



Anna University

B.E, Electronics and Communication Engineering

2014 - 2018

Licenses & Certifications



CKA: Certified Kubernetes Administrator - The Linux Foundation

Issued Apr 2023 - Expires Apr 2026

Certification ID: LF-j1fansf8mf



AWS Certified Solutions Architect – Associate - Amazon Web Services (AWS)

Issued Dec 2020 - Expires Dec 2023

Certification ID: FDHLGRFLJ2R1QXWH

Skills

DevOps Tools	Ansible, Jenkins, GIT, Maven, Kubernetes, Docker, Terraform, ArgoCD, Helm, GitHub Actions
Cloud Platform	Amazon Web Services (AWS), Azure Devops
Web/App Servers	Oracle Weblogic 11g/12c
Build & CI Tools	Hudson/Jenkins, CodeBuild, CodePipeline
Operating Systems	UNIX, Linux, Windows 2012
Database	Oracle, SQL
Programming Languages	Core Java, Shell Scripting, Python

Declaration:

I hereby confirm that all the information provided above is correct. Please contact me for any further information.

Narasimha Rao Pasupuleti