SHIVARAMAKRISHNA YEMULA

DevOps Engineer

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Professional Summary**:**

Approx. 3 Years of experience in Banking Domain having good knowledge of Jenkins CI, ArgoCD, GitLab, Maven, SonarQube quality profiles, Shell/python scripts, monitoring the metrics of various applications using Prometheus and Grafana. Security scanning using OWASP checks, automating infra provision using Terraform, Ansible playbooks for automating the server configurations and repetitive tasks. Handling k8s, EKS clusters, helm charts, AWS & AZURE cloud, WebLogic 12c, end to end SSL implementation, JBOSS EAP , IIS , Apache-tomcat , OHS ,OEM agent , web servers vapt, Linux and Windows OS.

Professional Experience:

## PROJECT: ACCENTURE

## DevOps Engineer since Feb2022-present:

* DevOps/Build and Release management in development to production environment with versatility in leveraging various tools and technologies including cloud based to achieve full automation and support through continuous integration/deployment.
* Experience with Amazon AWS cloud creating EC2 instances, security groups, EC2 container services, and Amazon elastic block store.
* Proficient in managing all aspects of the software configuration management process including code compilation, packaging/deployment/release methodology, and application configuration.
* Experience in branching and merging code lines in the GIT while troubleshooting and resolving conflicts if any.
* Build pipeline from scratch on Jenkins to automate the build and deployment of micro-services and standalone applications.
* Deployment of artifacts in the Tomcat server and Kubernetes cluster.
* Experienced in carrying out installation, configuring, managing, tracing complex build problems, release issues as well as troubleshooting the blockages.
* Design, deploy and manage scalable, highly available and self-healing k8s and EKS clusters.
* Containerization using Docker, lightweight image layers and storing in ECR, Docker hub.
* Creation of config maps for container runtime consumption.
* Creating a HPA using Helm charts and handling deployment versions.
* Have regular chaos engineering tests on pods using Litmus to foresee the possible issue and tackle them ahead of production release.
* PV and PVC creation.
* Writing ansible playbooks for automating the routine deployments and configuration management.
* Created a monitoring dashboard using Grafana tool with prom SQL to get the application metrics for visualizing the performance and setting up the alerts.
* Procuring of infrastructure using terraform modules.
* Building AWS CI/CD, using code commit, code build, code pipeline and code deploy.
* Using webhooks in Gitlab to detect source code changes and to trigger build process.
* Experience in designing, documenting, and automating the build and release process.
* Extensive knowledge in using MAVEN as a build tool for building deployable artifacts like jar, war & ear from source code.
* Developing and executing Shell scripts as well as Python scripting.
* Monitoring the metrics of various applications using Prometheus and Grafana.

code quality checks using the quality profiles on SonarQube.

* Collaborating with developers, vendors, and Incident Management teams in BAU tasks.
* Executing BASH scripts provided by developers to run the java services. Creating BASH scripts for automating manual tasks.
* Implementing security tools like Trivy for vulnerability assessments and scanning Docker images.
* Configuring CloudWatch logs to monitor real-time metrices and notify the alerts.

## PROJECT: AU BANK

## Build and Release Engineer Feb2021-2022:

Worked as Build and Release Engineer, performing tasks which fulfill client and parallelly undergone and cleared the mandatory training assigned to me. BAU tasks includes the production activities like

* Good Knowledge of Various SDLC Models, STLC model and bug life cycle.
* Installing and Configuring Apache, Tomcat application server.
* Knowledge on Configuring SSL certificate in Apache, Tomcat, Oracle Web logic server.
* Worked in Node Manager Configuration, remote managed server starts and stops. SSL communication between Admin Server and node manager.
* Installed, configured, and administered BEA/Oracle WebLogic, Apache HTTP and OHS server in various environments. Dev, SIT, Pre- Prod, Prod and DR.
* Troubleshooting issues like Out of Memory, High CPU Utilization, Server hang.
* EAR, WAR, JAR Deployments –Stage, No-Stage, External Stage mode –Archive and Exploded Directory format.
* Responsible for applying WebLogic and SOA, IDAM.OID, EDQ patches.
* Performed WebLogic Server administration such as installing, configuring, upgrading, monitoring, performance tuning in DEV, UAT, PROD environments.
* Worked on cloning, patching, code migration and pack-unpack of the domains.
* Performed migration and upgrading tasks like upgrading WebLogic Server and updating JDK’s and installing service packs and patches for WebLogic Server.
* Configure JDBC Connection pools, Data Source.
* Worked on analyzing Heap dumps and Thread dumps.
* Experienced in configuring WebLogic server in a Cluster solution for High Availability, Load balancing and fail over support.
* Good knowledge on IIS installation, configuration, tuning, hardening, and troubleshooting the issues.
* Experience with Working in a UNIX/Linux and windows OS environment.
* Knowledge on Process Management being followed for Middleware Change, Incident, Problem

Management.

**Technical Skills:**

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| --- | --- |
| Version control | git, github |
| cicd | jenkins, gitlab, ARGOCD |
| bUILD | maven |
| iac | terraform |
| cloud | aws |
| web app servers | weblogic 12c, jboss, nginx, OHS , apache-tomcat , iis. |
| scripting | python, shell/bash |
| configuration management | ansible |
| CONTAINERISATION | k8s, eks, docker |
| security | vapt mitigation, owasp, TRIVY |
| code QUALITY | sonarQube |
| os | LINUX, windows |

# Certifications:

# 1. Oracle Certified Associate, Oracle WebLogic Server 12c AdministrATOR.

# 2. DEVoPS FULL STACK ENGINEER BY DEVOPS ACADEMY.

# 3. ORACLE cloud infrastructure gen ai 2023.

# 4. AWS certified cloud practioner foundational.

# Awards & Appreciations:

# ACCENTURE CELEBRATES EXCELLENCE AWARD ACE Q1 2023: For active contribution towards the project.

# Got recognition for giving best performance in team.

## References :

# aVAILABLE UPON REQUEST.

Education:

### MAY2020

## BTECH, sreenidhi institute of science and technology

**Graduated in the ELECTRICAL AND ELECTRONICS ENGINEERING with CGPA of 8.96 out of 10.**

### MAY2016

## INTERMEDIATE, ALPHORES

**Completed MPC in intermediate with percentage of 97.4.**

### APRIL 2014

## secondary education, vidhya High school

### Completed state secondary education with CGPA of 9.7 out of 10

Profile:

**NAME : Yemula Shivaramakrishna**

**FATHERS NAME : Yemula Sadanandam**

**LANGUAGES KNOWN : ENGLISH, TELUGU, HINDI.**

**HOBBIES : reading updates about new technologies, a long walk in the woods and learning new skills.**

**CONTACT ADDRESS : H.No:3-7-628/2, Vavilalalpally , Karimnagar, 505001.**

**I hereby declare all the above-mentioned information is genuine.**

**Date: 10 June 2024 Place: HYDERABAD**