

Shivaramakrishna

DevOps Engineer

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PROFESSIONAL SUMMARY

- Having a total of 7.10 years of experience, including 5.6 years of relevant experience as a **DevOps Engineer**, with strong knowledge in Cloud Computing strategies, as well as in deploying and maintaining cloud environments.
- Good knowledge on **Amazon Web Services** (EC2, ELB, VPC, S3, Cloud watch, IAM, Auto Scale etc.).
- Comprehensive experience in design and implementation of Continuous Integration, Continuous Deployment, Continuous Delivery, and best DevOps strategies for Agile projects.
- Extensively worked with automation tools like **git**, **Jenkins**, **Ansible**, **Docker**, **Kubernetes** to implement the End-to-End Automation.
- Designed and implemented a CI/CD pipeline using **Jenkins** and **Kubernetes**, resulting in a 50% reduction in deployment time.
- Expertise in **infrastructure-as-code**, **configuration management**, and **cloud computing**, with a strong focus on automation and security best practices.
- Hands on experience with SCM tools like Git for branching, tagging and version management.
- Deep knowledge of CI (Continuous Integration) and CD (Continuous Deployment) methodologies with **Jenkins**.
- Build Management – Experience in tools such as **Jenkins**, **Maven** for build management.
- Implemented CI-CD pipeline setup using **Jenkins**.
- Developed a monitoring and alerting system using Prometheus and Grafana, providing real-time visibility into application performance
- Managed environments DEV, QA, UAT and PROD for various releases and designed instance.
- Expertise in writing Ansible playbooks for tasks such as software installation, configuration, and security patching and a strong understanding of Ansible YAML syntax and modules.
- Hands on experience in delivering Containerization based deployments using **Docker** and container Orchestration is done by **Kubernetes**.
- Having experience in creating custom **Docker Images** using **Docker file**.
- Having knowledge on setting up and managing Docker private repository.
- Experience of working and setup of Kubernetes Cluster using kubeadm, kops and EKS.
- Having Knowledge on ARGO CD with Kubernetes Cluster.
- Implemented secure remote backend configuration for **Terraform state files** using AWS S3 with **DynamoDB** table for state locking and consistency.
- Proficient in creating, managing, and deploying cloud infrastructure across multiple providers AWS using **Terraform**.

TECHNICAL SKILLS

Cloud computing	AWS.
Version Control tools	Git, GitHub.
Ticketing Tool	Jira, Service Now.
Infrastructure Tool (IAC)	Terraform.
Scripting Languages	Shell, YAML and Bash.
Automation Tools (CI CD)	Jenkins, ARGO CD.
Configuration Management	Ansible.
Code Quality	SonarQube.
Operating Systems	Linux, RHEL, CentOS, Ubuntu, Windows.
Monitoring Tools	CloudWatch & CloudTrail, Prometheus, Grafana.
Build Tools	Maven.
Containerization	Docker, Kubernetes.

PROFESSIONAL EXPERIENCE

Company: GLOBESTAR SOFTWARE LIMITED

June2024-Present

Client: Chevron Corporation

Role: DevOps Engineer

ROLES AND RESPONSIBILITES

- Worked on and supported automated builds, deployments, validations, and configurations in our environment.
- Developed automation processes to enable teams to deploy, manage, configure, scale, and monitor their applications using tooling or scripting reducing the time to get features in production.
- Build and deployed Docker containers to break up monolithic app into micro services, improving developer.
- Workflow, increasing scalability, and optimizing speed.
- Designed, deployed, and oversaw AWS Cloud infrastructure proficiency using Terraform.
- Focused on automation and integration.
- Collaborated with Development and Support teams to setup CD (Continuous Delivery) environment with the use of Docker continuous build and delivery tools.
- Identify, troubleshoot and resolve issues related to build and deployment process.

- Automate Continuous Build and Deploy Scripts for Jenkins Continuous Integration tool.
- Provisioned AWS infrastructure components such as EC2 instances, S3 buckets, and other resources using Terraform scripts, ensuring consistent and repeatable deployments.
- Continuously updating documentation for internal knowledge base of support team.
- Experienced in defining various build and release workflows.
- Implemented the automation scripts (Bash, shell Script) for deployment process.
- Experience of working with Kubernetes Cluster in SIT/UAT. Including customizing and setting up Kubernetes Cluster setup in SIT/UAT.
- Developed a monitoring and alerting system using Prometheus and Grafana, providing real-time visibility into application performance.

Company: Accenture
Client: Rockefeller
Role: DevOps Engineer

September2021-May2024

ROLES AND RESPONSIBILITES

- Collaborated with Development and Support teams to setup a CD (Continuous Delivery) environment with the use of Docker continuous build and delivery tools.
- Coordinating the resources by working closely with Developers, Project Manager's for the release and Project Managing for all the Operational Projects.
- Automate Continuous Build and Deploy Scripts for Jenkins Continuous Integration tool.
- Continuously updating documentation for internal knowledge base of support team.
- Experienced in defining various build and release workflows.
- Implemented the automation scripts (Bash, shell Script) for deployment process.
- Experience of working with Kubernetes Cluster in SIT/UAT. Including customizing and setting up Kubernetes Cluster setup in SIT/UAT.
- Using the Ansible playbooks installed the Kubernetes and provided the same to the respective teams.
- Creating Argo CI/CD pipelines by integrating Git, GitHub and maintaining the application using the Kubernetes.
- Provisioned AWS infrastructure components such as EC2 instances, S3 buckets, and other resources using Terraform scripts, ensuring consistent and repeatable deployments.
- Experienced in core Terraform features such as Infrastructure as Code (IaC), execution plans, resource graphs, and change automation.
- Good Hands on experience in Linux server administration, monitoring and troubleshooting the issues.
- Managed multiple environments, including Development, QA, Staging, Pre-Production, and Production, ensuring consistent infrastructure and deployment practices.
- Wrote automated scripts for all environments and downloading the packages Using Shell, bash.
- Configured ALB with different launch configurations and EC2 Auto scaling groups.
- Used GIT for source code control and integrated with Jenkins for CI/CD pipeline, code quality tracking and user management with build tools Maven.
- Scripting& automating tasks using bash scripting for backup.

Company: WIPRO
Client: VTR Telecom
Role: Build & Release Engineer

May2020-August2021

ROLES AND RESPONSIBILITES

- Installed Jboss application servers and configured for SIT, UAT, and Production and interacted with application teams and customers to make sure applications are running fine.
- Performing deployments to multiple environments like SIT, UAT, PROD environments.
- Troubleshooting and resolved Issues in DEV/Test and prod Environment.
- Documentation of patch Management process and build/release Process.
- Co-ordination with other team members to resolve the Issue.
- Deployed and Managed GITops workflows using Argo CD for automated Kubernetes deployments, achieving improved release velocity and Consistency across environments.
- Implemented automated shell scripts and used Ansible playbooks for deployments, restart, to clear memory backing of logs, ears and to get checksum of all ears.
- Enable the required plug-in in Jenkins. Verified Build requests, Resolve merge & branch conflicts.

Company: COGNIZANT
Client: OHS
Role: System Engineer

December2017-April2020

- Monitor system performance on a daily basis to ensure adequate response times on production systems.
- Installation, configuration on Red hat Linux 6 & 7.
- Setup password less authentication on Linux environment.
- Monitor Linux Server for CPU utilization, Processor statistics, Memory Utilization and Disk Utilization for performance monitoring.
- User management: Creation, Deletion, Assigning rights/privileges to users as per ticket/approval.
- Planning for the CRON job schedule & implementation.
- Incident management: Tickets regarding changes in the infrastructure, Increase of memory, hard disk, Number of CPU's and Security issues.
- Change management: Creating the change ticket regarding changes in infrastructure and representing this change ticket with client change management team. Implementing the changes to resolve the incidents.
- Problem management: Resolving problem tickets based on severity with justified Root cause analysis.

EDUCATION

- Bachelor of Technology (B.Tech) from Tirumala Engineering College, JNTUH, completed in 2015.

Declaration:

I hereby declare that all the details are true for the best of my knowledge.

K.Shivaramakrishna