KSHITIJ HATWAR

Mumbai, India | +91-7558381725| kshitijhatwar6685@gmail.com | https://www.linkedin.com/in/kshitijhatwar | https://medium.com/@kshhat6685 | https://github.com/kshitijhatwar |

Professional Summary

Results-oriented DevOps Engineer with 2.8 years of experience at Yotta Data Center. Proficient in AWS, VMWare, Docker, Kubernetes, Jenkins CI/CD, Ansible and Terraform. Known for deployment efficiency and system uptime.

Work History

DevOps Engineering - July 2022 - Present
Yotta Data Center

- Designed and implemented CI/CD pipelines for internal websites, integrating Git, Jenkins, Maven, Docker, and Kubernetes, reducing deployment time by 40%.
- Developed Ansible playbooks for automated configuration management across 50+ servers.
- Configured and optimized Kubernetes clusters, ensuring high availability and auto-scaling for workloads.
- Automated Docker image creation and deployment with Jenkins and Docker, reducing manual interventions by 50%.
- Collaborated with cybersecurity teams to remediate VAPT findings, reducing security vulnerabilities by 35% and ensuring compliance with industry standards.
- Documented SOPs and infrastructure processes, improving team efficiency and knowledge sharing.
- Managed Git repositories, optimizing branching, merging, and tagging strategies, and integrating automated builds via Jenkins.
- Assisted in setting up dedicated infrastructure environments for clients, ensuring tailored cloud solutions.
- Monitored system health using Zabbix.

Technical Skills

- AWS
- Cloud Migration
- LDAP
- GIT
- Jenkins CI/CD
- Ansible, Terraform
- Docker
- EKS, Kubernetes
- Zabbix monitoring
- RedHat, Ubuntu, Windows

Education

G. H Raisoni College Of Engineering, Nagpur
Bachelor of Engineering in Electronics and Telecommunication 2018-2022

Certifications

AWS Certified Solutions Architect - Associate (SAA-C03)
Validation Number: 7f1acb99cdb84baabb42f3c3cfc32de3

Project

BLOGS Link: https://medium.com/@kshhat6685

GITHUB Link: https://github.com/kshitijhatwar

Name: Kubernetes Cluster Deployment using KOPS on AWS
Skills: AWS EC2, S3, Route 53, VPC, Kubernetes, KOPS CLI, kubectl, NGINX Ingress, DNS, YAML, Git, Infrastructure as Code
Responsibility:

- Set up a Kubernetes cluster on AWS using KOPS and configured it with the necessary SSH keys and DNS settings using Route 53. Provisioned and configured two clusters using AWS CLI.
- Triggered the cluster creation, which automatically provisioned all the required AWS resources (EC2, VPC, subnets, security groups, IAM roles, and storage volumes).
- Installed and configured the NGINX Ingress controller to manage external traffic, which also provisioned an AWS Load Balancer.
- Deployed the application using the manifest files, starting with Persistent Volume Claims, then services and deployments.
- Set up DNS routing by pointing a custom domain (via Route 53 CNAME record) to the Ingress controller's ELB address.

Description: Built a Kubernetes environment on AWS using KOPS to deploy a scalable, multi-tier cloud-native application. Automated the provisioning of EC2 instances, VPC networking, IAM roles, and storage volumes using KOPS configurations. Deployed application components using Kubernetes manifests, configured NGINX Ingress for external access, and integrated Route 53 for DNS resolution with custom domain mapping.

Name: Argo CD Multi-Cluster Deployment
Skills: AWS EKS, Argo CD, Kubernetes, Git, YAML, LoadBalancer, IAM, kubectl, argocd CLI, GitOps, CI/CD, Infrastructure as Code
Responsibility:

- Created IAM roles and policies for secure EKS cluster access.
- Provisioned and configured two Amazon EKS clusters using AWS CLI.
- Installed and configured Argo CD on the first EKS cluster.
- Deployed the first application to the initial cluster using Argo CD.
- Connected the second EKS cluster to the same Argo CD instance.
- Deployed a second, distinct application to the newly added cluster.

Description: Designed and implemented a hub-and-spoke model using Argo CD for deploying multiple applications across separate AWS EKS clusters. Demonstrated strong understanding of GitOps workflows, multi-cluster Kubernetes management, and CI/CD automation using Argo CD for enterprise-grade deployments.

Name: Dockized Application Deployment Using Jenkins Pipeline
Skills: Jenkins, Docker, Maven, SonarQube, Nexus, AWS, EC2, Git, SSH, CI/CD, Automation
Responsibility:

- Set up a fully automated Jenkins pipeline to pull code from GitHub, build with Maven, run unit tests, and push to SonarQube for quality checks.
- Configured Maven to package the code and deployed the resulting artifacts to Sonatype Nexus.
- Built and pushed Docker images to DockerHub for containerization and deployed them on a remote web server using SSH.
- Configured Jenkins and integrated with AWS EC2 instances, SonarQube, Nexus, and DockerHub for end-to-end CI/CD automation.
- Automated deployment by SSHing into web servers, removing old containers, and running new Docker containers with updated images.
- Managed Jenkins security with credentials for DockerHub, SonarQube, and web server access.

Description : Built a fully automated CI/CD pipeline using Jenkins, Docker, Maven, and SonarQube. The pipeline streamlined the process of building, testing, and deploying Dockerized applications, enabling faster and more efficient delivery to production environments.