Praveen Sirvi

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Skilled DevOps Engineer with expertise in implementing and managing CI/CD pipelines, cloud-based infrastructure, and automation tools. Extensively focused on improving software development processes and ensuring reliable application delivery.

EXPERIENCE

Debuide Technologies, Utter Pradesh – DevOps Intern

Dec 2021 – Feb 22

- Creation of AWS resources.
- Configuring and automating the entire process through Jenkins.
- Dockerization of applications
- development of Kubernetes resources manifests

PROJECTS

1. Secured End-to-End CI/CD Pipeline: Leveraging Full Tool Stack with Jenkins and Argo CD
- used Jenkins for CI and Argo CD for CD
- Integrated 15+ tools
- Continuous Monitoring using Prometheus and Grafana

2. Elastic DevOps Pipeline: Seamless CI/CD with EKS and Docker
- End-to-end CI/CD: Build, containerize, test, and deploy the app on EKS.
- Efficient deployment: Testing to production on the EKS cluster without interruption.

3. Streamlined CI/CD Pipeline: Orchestrated App Deployment and Monitoring
- End-to-end CI/CD: Build, test, and deploy the app on EC2.
- AWS infra created with Terraform, monitored with Prometheus and Grafana.

4. Efficient CI/CD Pipeline: Seamless App Deployment on EC2
- End-to-end CI/CD pipeline: Build, containerize, test, and deploy the app on EC2.
- Seamless transition: Effortless deployment from testing to the production environment on EC2.

5. Secure Software Delivery Pipeline with DevSecOps Practices
- Secure CI/CD pipeline: Git, Jenkins, Maven, JUnit, SonarQube Docker, Trivy, AWS S3, Kubernetes, Slack, Hashi Corp Vault.
- Efficient tool integration: Code quality analysis, containerization, version control, automation, notifications, and secrets management, container Scanning.

6. Enhancing Code Quality and Security with SonarQube Static Analysis
- Utilized SonarQube static analysis tool to improve code quality and security
- Automated code vulnerability identification and enforced quality standards to maintain high code quality.

7. Node.js Application Orchestration on Kubernetes
- Orchestrated Node.js app on Kubernetes for efficient container management.
- Kubernetes Ingress for managing external access and traffic routing across multiple app services.

SKILLS

- Linux
- AWS, Azure
- Git, GitHub.
- Jenkins
- Maven.
- SonarQube, Jfrog Artifactory
- Java (Basic).
- Ansible.
- Docker Containers, Trivy
- Kubernetes, Argo CD
- Prometheus, Grafana
- MySQL.
- Windows, Ubuntu, RHEL, CentOS.
- GitOps
- Kustomize

LANGUAGES

English and Hindi

8. Continuous Deployment of Web Application using CI/CD Pipeline
- CI/CD pipeline automates continuous web app deployment, including build, test, and deployment.

9. Statics web hosting using Amazon S3 and Route 53
- Hosted static website on Amazon S3 with high availability and scalability.
- Utilized Route 53 for DNS management, HTTPS with ACM, and S3 features to ensure data security and integrity.

CERTIFICATIONS

- Red Hat certified System Administrator - RHCSA

- Certified Kubernetes Administrator - CKA

EDUCATION

SPPU, **Pune** – *BE (Electronics and Telecommunication)*

Aug 2018 – May 2022 8.*14 SGPA*