Mayuri Sanjay Yeole

DevOps Engineer

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Summary

A versatile professional with 4 years of combined experience in web development, including 1 year of hands-on experience in DevOps engineering. Possesses a strong foundation in web development and expertise in automating and optimizing processes to ensure high-quality software delivery. Proficient in designing and implementing CI/CD pipelines, managing cloud infrastructure, and orchestrating containerized applications.

Skills

DevOps Tools: Jenkins, Git, Docker, Kubernetes, Ansible, Terraform

Cloud Platforms: AWS, Azure

Scripting: Bash, YAML, Groovy, JavaScript

Monitoring: Prometheus, Grafana

Version Control: Git, GitHub

Operating Systems: Windows, Linux (Ubuntu)

Front-end Technologies: HTML, CSS, Bootstrap

Certification

- DevOps Engineer Certificate from Edureka

Work Experience

DevOps Engineer

NetCom Business Solutions Pvt Ltd. Jan 2024 – Present

- Automated build and deployment pipelines using Jenkins and GitLab CI/CD, reducing deployment time by 30%.
- Designed and implemented containerized applications using Docker and orchestrated them with Kubernetes, ensuring scalability and high availability.
- Monitored application performance and infrastructure health using Prometheus and Grafana, reducing downtime by 20%.
- Wrote and maintained infrastructure as code (IaC) using Terraform to automate provisioning and configuration.
- Worked with AWS services, including EC2, S3, and CloudFormation, to deploy secure and scalable infrastructure.

- Collaborated with cross-functional teams to improve system reliability and deliver frequent updates to production.

Project 1: CI/CD Pipeline implementation

- Designed and set up Continuous Integration and Continuous Deployment (CI/CD) pipelines using Jenkins, to automate the build, test, and deployment processes.
- Commit the code to the Git repository using GitHub.
- Jenkins detects the commit via webhook integration with Git, triggering the CI/CD pipeline.
- Jenkins pulls the code from Git, builds the application, and runs unit tests to ensure stability. If tests pass, the code is packaged into a Docker container.
- Ansible ensures that the target environments are set up and configured correctly, installing dependencies, setting environment variables, and configuring web servers.
- Jenkins triggers Docker to package the application into a container and push it to the registry. The container is then deployed to the appropriate environment.
- Selenium tests the application in a deployed environment to ensure it functions correctly. If everything passes, Jenkins reports the results, and the deployment proceeds to the next environment.
- With the click of a button in Jenkins, the pipeline can be manually triggered for a deployment to the desired environment, ensuring a smooth and consistent deployment process across multiple environments with minimal manual intervention.

Project 2: Kubernetes Cluster Deployment

- Jenkins monitors the Git repository for any code changes. When code is merged into the main branch, Jenkins triggers the continuous integration (CI) pipeline, which runs automated tests. If the tests pass, Jenkins compiles the code and builds a Docker image using the Dockerfile.
- Jenkins creates a Docker image from the Dockerfile after the code successfully passes tests. This image, which includes the application and its dependencies, is tagged with a version number or commit hash and then pushed to a Docker registry.
- After the Docker image is pushed to a registry, Jenkins triggers the CD pipeline to deploy it to a Kubernetes cluster.
- Kubernetes creates and scales Pods, manages Services for load balancing, and ensures fault tolerance by restarting failed containers.
- Grafana integrates with Prometheus to visualize time-series data from the Kubernetes cluster and containers.

Web Developer

NetCom Business Solutions Pvt Ltd. Jan 2021 – Jan 2024

- Develop mobile-friendly web pages using HTML, CSS, Bootstrap, and JavaScript.

- Implement responsive designs and ensure cross-browser compatibility.
- Use Git for version control, branching, merging, and pulling.

Project 1: Excellent Engineering

The project is developed using HTML, CSS, Bootstrap, and JavaScript. Accessibility was ensured through semantic elements in HTML to enhance user usability. Bootstrap was utilized to make the website adaptable across various devices and screen sizes.

Link: https://excellentengineering.co.in/

Project 2: Phyllus Pharma

The project satisfies design and functional requirements, providing a visually appealing and responsive user interface. It showcases expertise in contemporary web development practices, utilizing HTML, CSS, and Bootstrap to create a dynamic and accessible web experience.

Link: https://www.phylluspharma.com/

Education

- Bachelor of Engineering (B.E) in Information Technology from North Maharashtra University.