Mayur Dhotre

Contact: 9881052089 (Pune, Maharashtra, India)

Email: mayurddhotre@gmail.com   Github: https://github.com/mayur4279

LinkedIn: https://www.linkedin.com/in/mayurdhotre   Portfolio: https://cloudchampmayur.cloud

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Objective: Detail-oriented and results-driven DevOps Engineer with hands-on experience in cloud services, automation, and CI/CD pipelines. Seeking to leverage expertise in Docker, Kubernetes, and AWS to optimize workflows and enhance system reliability in a dynamic team environment.

Work Experience:

DevOps Intern @ Hisan Labs (pune)

Nov-2023 to Present

- Operated on multiple Linux platforms, enhancing system administration and troubleshooting skills while gaining hands-on experience with AWS cloud services.
- Utilized Docker to create and manage containerized applications, improving deployment efficiency by 30%.
- Developed and maintained Kubernetes deployment files, ensuring high availability and performance of containerized applications.
- Designed Terraform scripts to provision AWS resources, streamlining infrastructure management and reducing setup time by 25%.
- Optimized Jenkins pipelines for automated build, test, and deployment processes, resulting in a 40% reduction in deployment errors.
- Integrated SonarQube with CI/CD pipelines to enforce code quality standards, leading to a 20% improvement in code quality metrics.
- Implemented monitoring solutions using Grafana and Prometheus, enabling proactive identification of system performance issues and reducing downtime by 30%.

Key Skills:

- **Cloud Platforms:** AWS (EC2, S3, VPC, IAM, Route53)

- **Containerization:** Docker

- **Orchestration:** Kubernetes

- **Infrastructure as Code:** Terraform

- **CI/CD Tools:** Jenkins

- **Monitoring & Logging:** Grafana, Prometheus

- **Version Control:** Git, GitHub

- **Operating Systems:** CentOS, Ubuntu, Amazon Linux

Roles & Responsibilities:

DevOps:

- **Github:** Work closely with developers, testers, and system administrators to streamline workflows and **manage pull requests**. **Use multiple environments** (Dev, Test, UAT, and Production) In Deployment Process.

- **Docker:** Create **Dockerfiles** for containerizing applications and push over **Docker Registry** to ensuring efficient and portable deployments process.

- **Kubernetes:** Write Kubernetes **deployment files** and maintain clusters to manage containerized applications, Set up Kubernetes clusters, including nodes, namespaces, and pods, Monitor and troubleshoot Kubernetes deployments to ensure **high availability**.
  Manage The external access using services like **load balancer**, **nodeport** & **clusterIP** along with **Ingress** for controlling incoming traffic.

- **Terraform:** Develop Terraform scripts to manage **cloud infrastructure as code**, provisioning AWS resources like EKS, RDS, and VPC.

- **Jenkins:** Design and optimize Jenkins pipelines for **automating the build, test, and deployment process.** Responsible for writing **pipeline** scripts and integrating them with Docker and Kubernetes, Monitor and troubleshoot Jenkins jobs to ensure smooth operation.

- **Maven:** Configure and manage Maven to automate project builds, Integrate Maven with CI/CD pipelines to ensure **automated build and testing**.

- **SonarQube:** Set up and maintain SonarQube for continuous **code quality checks**, Integrate SonarQube with CI/CD pipelines to enforce code quality standards, Analyze code quality reports and **work with developers to fix issues**.

Aws Cloud:

- Manage **IAM roles**, **users**, and **policies** to control access and secure resources.
- Set up and manage **S3 buckets** for hosting the **Static Website**, including lifecycle policies, Access control, Versioning.
- Launch and optimize **EC2 instances**, utilizing **auto-scaling** for performance and attach **load balancer** to volume group.
- Design and configured **VPCs with Private & Public Subnets**, implemented network security using ACLs and security groups.
- Manage the **DNS Configuration** with **Route53** Service.
- Monitored AWS resources and Analyse logs using **CloudWatch**.

Linux:

- Managed system users, groups, and permissions on **multiple Linux servers.**
- Secured systems with **firewalls**, **SELinux**, and **Sudo privileges**.
- Monitored system performance using tools like **top** and **netstat**.
- Managed file systems, performed **disk partitioning**, and configured **logical volumes.**
- Automated tasks using **shell scripts** and **scheduled backups** with **cronjobs**.

Education:

- **Bachelor of Computer Engineering** (2019-2023)
  Indira College of Engineering & Management. (Pune, Maharashtra)

Personal Details:

- Date of Birth: 15 Sep 2002
- Language: Marathi, Hindi, English