Patil Vijay Vilas

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SUMMARY

Highly motivated DevOps Engineer with expertise in developing and implementing CI/CD pipelines, optimizing application performance, and automating system administration tasks. Proficient in cloud-based infrastructure design, adhering to security best practices, and system capacity planning. Demonstrated success in reducing deployment time by 50%, boosting team productivity by 25%, and cutting operational costs by 40%. Committed to driving innovation and efficiency in DevOps processes to deliver scalable and reliable solutions.

INTERNSHIP

Eminence Institute (Aug 2024 – Jan 2025)

Role: DevOps Intern

Worked on real-world DevOps projects, focusing on automating workflows, optimizing CI/CD pipelines, and enhancing system reliability. Gained hands-on experience with industry-leading tools such as Docker, Jenkins, GitHub, and Ansible. Successfully implemented solutions to reduce manual intervention by automating repetitive tasks, streamlining deployments, and improving operational efficiency. Actively collaborated on designing and deploying scalable infrastructure, adhering to best practices in security and cloud-based architecture.

EDUCATION

Bachelor of Computer Applications	2022-2025
CIMDR COLLEGE SANGLI	**Percentage: 70.60%**
HSC	2020 - 2022
A.N.N. JUNIOR COLLEGE JAYSINGPUR	**Percentage: 62.83 %**
SSC	2019 – 2020
JANATARA HIGHSCHOOL JAYSINGPUR	**Percentage: 84.60 %**

TECHNICAL SKILL

- **Language:** Python , C , C++

- **DevOps:** Ansible, Terraform, CloudFormation, Jenkins, Docker, Kubernetes, Gitlab, CircleCI, Vault, ELK stack, Prometheus, Grafana

- **Web Technologies:** HTML, CSS, FastAPI

- **Databases:** MYSQL

- **Cloud:** AWS , Azure(Basic)

- **Operating Systems:** Linux, Windows

- **Code Repo :** GitHub

PROJECTS

Blogging Website –
- **Technologies:** FastAPI, HTML, CSS, JavaScript, MongoDB, Jenkins, Git, CI/CD, Docker, Docker Compose, AWS EC2, Nginx.
- Developed a responsive dashboard using FastAPI, HTML, CSS, and JavaScript with MongoDB for backend storage.
- Automated deployment using Jenkins, setting up a CI/CD pipeline to clone the Git repository and deploy the website.
- Containerized the application with Docker and Docker Compose, hosting MongoDB and Nginx-FastAPI containers on an AWS EC2 instance.
- Configured Nginx as a reverse proxy for traffic management.

Kubernetes-Cluster Automation with Ansible –
- **Technologies**: Kubernetes, Ansible, AWS, Docker
- Automated the setup and configuration of Kubernetes clusters on AWS using Ansible, improving deployment efficiency.
- Reduced the cluster deployment time by 10x, making the process significantly faster and more reliable.
- Streamlined cluster provisioning, ensuring consistency and reducing manual intervention.

Event Management Platform with CI/CD & Monitoring-
- **Technologies**: Docker, Jenkins, Nginx, MySQL, Prometheus, Grafana
- Developed and containerized an event management web application with user registration, event booking, and admin dashboard features.
- Implemented a Jenkins pipeline for automated testing, building Docker images, and deploying to staging and production environments.
- Set up Nginx as a reverse proxy and load balancer to manage incoming traffic.
- Integrated Prometheus and Grafana to monitor application uptime, resource usage, and database performance.
- Ensured data persistence using Docker volumes and secure backups for MySQL.

STRENGTHS

- Quick Learner
- Problem-Solving
- Time Management
- Team supportive