

ADITYA DEO

DevOps Engineer

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SUMMARY

DevOps Engineer with 4.5 years of experience designing and maintaining CI/CD pipelines, managing cloud infrastructure on AWS and Azure, and automating deployments using Terraform, Ansible, Docker, and Kubernetes. Skilled in writing automation scripts in Bash and Python to streamline build, deployment, and monitoring processes. Collaborates closely with backend and frontend developers to ensure smooth, secure, and reliable application releases.

TECHNICAL SKILLS

Docker, Docker-Compose	Terraform, Ansible	Prometheus, Grafana
Kubernetes, Docker-Swarm	Linux	Scripting(Bash)
Jenkins, GitLab CI/CD	AWS, Microsoft Azure	ELK Stack

PROFESSIONAL EXPERIENCE

ShepHertz Technologies, Gurugram

March 2022 - Present

- Optimised Docker images and containerised applications using Docker & Docker Compose, improving build times and ensuring consistent dev/test environments.
- Automated infrastructure provisioning with Terraform, cutting manual setup time by 60%.
- Started migrating a Docker Swarm-based microservices SaaS platform to Kubernetes, focusing on architecture planning, Helm charting, YAML manifests, and CI/CD integration.
- Built and managed CI/CD pipelines using Jenkins and GitLab CI, reducing deployment time by 40%.
- Collaborated with developers across backend and frontend to ensure smooth, secure, and fast production releases.
- Wrote Ansible playbooks for automated server configuration and app deployment.
- Set up Prometheus & Grafana for monitoring and alerting, reducing downtime by 30%.
- Enforced Azure security best practices — RBAC, NSGs, and encryption.

DevOps Engineer, Freelancing

Jan 2021 - Jan 2022

- Provided end-to-end DevOps solutions for start-ups and SMEs, optimising cloud infrastructure and CI/CD pipelines.
- Containerised applications using Docker & Docker Compose, improving scalability and reducing deployment time failures by 35%.
- Managed Linux servers (Ubuntu, CentOS, Amazon Linux), hardening security via SSH key authentication, fail2ban, and UFW firewall policies.
- Automated infrastructure provisioning and application deployments using Ansible playbooks and Bash scripting, cutting manual setup time by 50%.
- Improved system reliability, deployment consistency, and incident recovery across environments.
- Assisted developers with troubleshooting, performance tuning, and build optimisation.

EDUCATION

B.Tech in Computer Science

Aug 2016 - Aug 2020

Manav Rachna University

- Specialisation in Cloud Computing.

PROJECTS

Anywhere: AI-based Remote Employee Monitoring software

- Maintained and optimised a Docker Swarm-based microservices SaaS solution on AWS & Azure, ensuring high availability and efficient service scaling.
- Used Docker Compose for local development and Docker Swarm for orchestrated deployments in production across AWS and Azure environments.
- Managed configuration drift using Ansible, standardising 100+ servers with custom playbooks for security hardening (SSH, firewalls) and app deployments.
- Orchestrated CI/CD pipelines in Jenkins with Docker-Swarm deployments, integrating Terraform for infra changes and Ansible for runtime configs, slashing release cycles to under 10 minutes.

Talent Anywhere AI-powered Job Search for Candidates, Enterprise, Contract to hire, and Recruiter

- Set up and managed a Docker Swarm environment for a microservices-based SaaS solution on AWS & Azure, enabling modular deployment and independent scaling of services by 40%.
- Automated infrastructure with Terraform, reducing deployment time by 90%.
- Deployed Azure-based NFS solutions to enable shared storage across distributed systems, enhancing availability and cutting data loss incidents by 30%.
- Set up Prometheus, Grafana, and Loki for monitoring, reducing mean time to repair by 25%.
- Developed Ansible playbooks for 100+ nodes for Security hardening.

Website Maintenance

- Managed high-availability web servers (Nginx/Apache) on Linux, achieving 99.9% uptime and improving page load speed by 40%.
- Optimised server configs, implemented caching and gzip compression for better performance.
- Automated monitoring with Bash scripts (real-time Slack/email alerts for downtime).
- Streamlined operations using Ansible (updates, backups, config management - 80% fewer manual tasks).
- Implemented SSL/TLS and hardened web server security.
- Configured resource usage alerts and automated restart recovery for critical services.

ADDITIONAL DETAILS

- **Languages:** English, Hindi
- **Certifications:** AWS Solutions Architect & SysOps Administrator (By Udemy).
Cloud Computing- Cloud Solution Architect. (By Tech-Explica)
Introduction to all DevOps Tools. (By Simplilearn)