Dipesh Mandal

dipesh1357m@gmail.com | +91 8619863554 | Jaipur - 302022

Cloud & DevOps Engineer with 2 years of hands-on experience in Cloud Computing, DevSecOps, and SDLC, including scripting, automation, troubleshooting, version control, and support.

Work Experience

Orion Infosolutions, Jaipur - *DevOps Intern*

Feb 2025 - Jun 2025

- Deployed real-time Node.js gaming apps on AWS with EC2, S3, ELB, Auto Scaling, and Multi-AZ VPC for 99.9% uptime. Streamlined CI/CD with GitHub Actions, cutting deployment time by 50%.
- Gained hands-on experience deploying Dockerized applications on Kubernetes (EKS) for scalable and consistent rollouts.
- Resolved slow query bottlenecks in MySQL and MongoDB, boosting performance and reducing downtime through proactive log analysis and rapid issue resolution.
- Automated system backups and log cleanup using Bash scripting to maintain optimal system performance.
- Monitored infrastructure using Grafana dashboards and AWS CloudWatch alerts to detect and resolve issues proactively.
- Worked closely with IT operations to ensure the stability and reliability of production environments.

Projects

End-to-End CI/CD Pipeline for Golang Application on EKS using Helm and Argo CD

Jun13 - Present

- Containerized the Golang web application using a multi-stage Docker build, optimizing image size and security.
- Deployed on AWS EKS using Helm charts to manage Kubernetes manifests and support environment-specific configurations.
- Implemented CI/CD pipeline with GitHub Actions for continuous integration and Argo CD for automated GitOps-based delivery.
- Configured NGINX Ingress Controller with custom DNS to securely expose the application over the internet using domain-based routing.

AWS 3-Tier Architecture Deployment

Jan13 - Present

- Designed and deployed a scalable 3-tier AWS architecture using VPC, EC2, Multi-AZ RDS, and S3 to ensure high availability and fault tolerance.
- Configured Route 53 and AWS Certificate Manager for DNS management and SSL security, optimizing system performance and reliability.
- Optimized cloud infrastructure for scalability, security, and resilience by leveraging AWS best practices and multi-AZ deployments.

End-to-End DevOps Pipeline for Zomato Application

Dec10 - Present

- Engineered a scalable CI/CD pipeline using Jenkins and ArgoCD, integrating SonarQube, OWASP, and Trivy to automate security and quality checks across microservices deployed via Docker and Kubernetes.
- Achieved 99% deployment success rate by streamlining the build, test, and deployment processes across a microservices architecture.
- Built monitoring with Prometheus, Grafana & Node Exporter, improving performance insights by 40%.

Contribution

Linkedin | GitHub | Portfolio

Skills

- **AWS & Azure**
- **Docker**
- **Kubernetes**
- **Jenkins**
- **Ansible**
- **Terraform**
- **Bash Scripting**
- **Python**
- **Trivy**
- **Helm Chart**
- **Grafana**
- **Prometheus**
- **SonarQube**
- **Maven**
- **Nexus**
- **Jira**
- **Git and GitHub**
- **SQL and NoSQL databases**
- **Apache and Nginx**
- **RHEL, UBUNTU, CENTOS**

Certification

AWS Solution Architect Associate
AWS Cloud Practitioner

Education

B.Tech in Computer Science
Rajdhani Engineering College, Jaipur
2021 - 2025 | GPA 7.89

Diploma in Computer Science
Shekhawati Group of Institution, Sikar
2018 - 2021 | GPA 7.45

Achievement

- Successfully delivered multiple end-to-end **DevOps projects** simulating real-world cloud environments.

- Built a strong foundation in **cloud automation, security Practices, and infrastructure monitoring** through self-driven learning and hands-on implementation.