

# Dipesh Mandal

[dipesh1357m@gmail.com](mailto: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
- Docker
- Kubernetes
- Jenkins
- Ansible
- Terraform
- Bash Scripting
- Python
- Trivy
- OWASP
- 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.