

# DIPESH MANDAL

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## SUMMARY

Proficient in Cloud Computing, DevSecOps & SDLC including analysis, coding, scripting, troubleshooting, testing, automation, version control, and support.

## TECHNICAL SKILLS

Languages: C++, Python, Bash

Cloud Services: AWS (EC2, S3, VPC, ECR, EKS, RDS, DynamoDB, IAM, Route53, Lambda, CloudWatch)

DevOps Tools: Docker, Kubernetes, Terraform, Ansible, Jenkins, Git, Github, Grafana, Prometheus, Sonarqube, Trivy

Web Server: Apache & Nginx

## PROFESSIONAL EXPERIENCE

OrionInfosolutions, Jaipur

Feb 2025 - Jun 2025

*DevOps Engineer Intern*

- 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.

Tools & Technology: AWS, Docker, Kubernetes, Git, GithubAction, Prometheus, Grafana

## PROJECTS

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

Jun20 - 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%.

## CERTIFICATIONS

- AWS Solution Architect Associate
- AWS Cloud Practitioner

## EDUCATION

B.Tech in Computer Science | Rajdhani Engineering College, Jaipur (GPA - 7.89)

Aug 2021 - May 2025

Diploma in Computer Science | Shekhawati Group of Institutions, Sikar (GPA - 7.45)

Sep 2018 - Sep 2021