

DIPESH MANDAL

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SUMMARY

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

PROFESSIONAL EXPERIENCE

OrionInfosolutions, Jaipur – DevOps Intern

Feb 2025 - Jun 2025

- Deployed real-time gaming apps on AWS with EC2, S3, CloudFront, ELB, Auto Scaling, and Multi-AZ VPC for 99.9% uptime. Streamlined CI/CD with GitHub Actions, cutting deployment time by 50%.
- Optimized MySQL and MongoDB performance by resolving 20+ bottlenecks through slow query profiling, and reduced downtime by 30% via proactive network log analysis and faster issue resolution.
- Scheduled system backups and log cleanup using Bash scripts 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, reducing downtime by 50%.

PROJECTS

CI/CD Pipeline for Java App Deployment on Kubernetes with Jenkins

Feb1 - Present

- Integrated Jenkins and SonarQube for CI and code analysis.
- Dockerized the app and pushed it to a private registry.
- Validated Helm charts with Datree and pushed to Nexus.
- Configured Jenkins pipeline with manual deployment approval.
- Enabled mail alerts and pull request triggers for collaboration.

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.

End-to-End DevOps Pipeline for Zomato Application | [Link](#)

Dec10 - Present

- Integrated a CI/CD pipeline with Jenkins and ArgoCD, integrating SonarQube, OWASP, and Trivy for automated security and quality checks, ensuring 99% deployment success across 15+ containerized apps on Docker and EKS.
- Built monitoring with Prometheus, Grafana & Node Exporter, improving performance insights by 40%.

TECHNICAL SKILLS

Cloud Services	: AWS, (EC2, S3, VPC, ECS, EKS, RDS, IAM, Cloudfront, Route53)
Containerization & Orchestration	: Docker and Kubernetes
CI/CD & IAC	: Jenkins, GitHub Actions, Terraform
Monitoring & Observability	: Grafana, Prometheus, CloudWatch
Code Quality & Version Control	: SonarQube, Git, GitHub
Security & Compliance	: Trivy, OWASP
Databases	: SQL & NOSQL
Web Server	: Apache & Nginx
Operating System	: RHEL, UBUNTU, CENTOS

EDUCATION

B.Tech in Computer Science

Rajdhani Engineering College, Jaipur | CGPA - 7.89

Diploma in Computer Science

Shekhawati Group of Institutions, Sikar | CGPA - 7.45

Aug 2021 - May 2025

Sep 2018 - Sep 2021

CERTIFICATIONS

- AWS Solution Architect Associate | Udemy
- AWS Cloud Practitioner | Udemy