DIPESH MANDAL

+91 8619863554 | dipesh1357m@gmail.com | Linkedin | GitHub | Portfolio

SUMMARY

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

PROFESSIONAL EXPERIENCE

OrionInfosolutions, 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%.
- 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 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   **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, Azure (EC2, S3, VPC, ECS, EKS, RDS, IAM, Cloudfront, Route53)
- **Containerization & Orchestration**   : Docker & Kubernetes, Helm
- **CI/CD & IAC**   : Jenkins, GitHub Actions, Terraform
- **Automation**   : Python, Bash Scripting, Ansible
- **Monitoring & Observability**   : Grafana, Prometheus, CloudWatch
- **Code Quality & Security**   : SonarQube, Trivy, OWASP
- **Version Control**   : Git, GitHub
- **Web Server**   : Apache, Nginx
- **Operating System**   : RHEL, UBUNTU, CENTOS

EDUCATION

B.Tech in Computer Science   **Aug 2021 - May 2025**
Rajdhani Engineering College, Jaipur | CGPA - 7.89
Diploma in Computer Science   **Sep 2018 - Sep 2021**
Shekhawati Group of Institutions, Sikar | CGPA - 7.45

CERTIFICATIONS

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