

Dipesh Mandal

AWS DevOps Engineer

dipesh1357m@gmail.com | 8619863554 | Jaipur - 302022

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

Work Experience

Orion Infosolutions, Jaipur - DevOps Cum System Admin Intern

Feb 2025 - Present

- **Deployed and maintained 10+ Node.js, PHP applications, and static websites on AWS**, leveraging EC2, S3, and CloudFront. Implemented Multi-AZ architecture with Load Balancer, VPC, and Security Groups, achieving **99.9% application uptime** and improved system scalability.
- **Optimized performance for 3+ production databases** (MySQL, MongoDB, MongoDB Atlas) by conducting **slow query profiling and resolving 20+ performance bottlenecks**. Performed network log analysis that reduced downtime and troubleshooting time by **30%**.
- Enhanced AWS resource efficiency by identifying and decommissioning unused EC2 instances and idle components, reducing infrastructure costs by 30%.
- Constructed and maintained CI/CD pipelines using GitHub Actions, Git, and Docker, reducing deployment time by 50%.
- 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

AWS 3-Tier Architecture Deployment | [Link](#)

Jan13 - Present

- **Designed and implemented 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 efficient DNS management and SSL security, enhancing application reliability and performance.
- **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 | [Link](#)

Dec10 - Present

- **Developed a robust CI/CD pipeline** using Jenkins and ArgoCD, integrating tools like SonarQube, OWASP, and Trivy to automate security and quality checks for 15+ containerized applications on Docker and EKS.
- **Achieved 99% deployment success rate** by streamlining the build, test, and deployment processes across a microservices architecture.
- **Built a comprehensive monitoring stack** with Prometheus, Grafana, and Node Exporter, improving system performance visibility and analysis by 40%.

Cloud-Native Monitoring Solution on AWS using Flask and EKS | [Link](#)

Nov5 - present

- **Developed a Flask-based monitoring app** to track CPU and memory usage, containerized with Docker and deployed on AWS EKS for scalable performance.
- **Automated AWS infrastructure provisioning** using Boto3 scripts and integrated ECR with EKS to streamline deployments and improve workload scalability.

Contribution

[GitHub](#) | [Linkedin](#) | [Portfolio](#)

Skills

- AWS
- Docker
- Kubernetes
- Jenkins
- Ansible
- Terraform
- Scripting
- Python
- Trivy
- OWASP
- Helm Chart
- Grafana
- Prometheus
- SonarQube
- Maven
- 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 | 7.89

Diploma in Computer Science

Shekhawati Group of Institution | Sikar

2018 - 2021 | 7.45

Achievement

- Executed Kubernetes clusters on AWS EKS, reducing downtime by 30% and improving scalability.
- Migrated on-prem infrastructure to AWS, cutting costs by 25% and enhancing reliability.
- Optimized CI/CD pipelines, boosting deployment speed by 30% and enabling faster releases.