

Deepak Yadav

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Summary

Senior DevOps Engineer with 4+ years of experience designing, automating, and operating scalable AWS cloud infrastructure. Strong expertise in CI/CD pipelines, Docker-based deployments, infrastructure automation, monitoring, and cloud security. Proven ability to reduce manual operations, improve deployment reliability, and support production-grade environments.

Core Skills

- **Cloud:** AWS (EC2, ECS, ECR, VPC, RDS, S3, IAM, CloudWatch, Secrets Manager)
- **CI/CD:** Jenkins, GitHub Actions, AWS CodePipeline, CodeBuild
- **Containers:** Docker, Docker Compose
- **Automation:** Bash Scripting, Cron Jobs
- **Monitoring:** CloudWatch, Zabbix, Grafana
- **OS & Tools:** Linux (Ubuntu, CentOS), Git, Nginx, MySQL

Experience

Kadel Labs Pvt. Ltd.

Nov 2021 – Present

Senior DevOps Engineer

- Designed and managed AWS infrastructure across development, staging, and production environments.
- Built and maintained CI/CD pipelines automating build, test, and deployment workflows.
- Deployed and operated containerized applications using Docker and Docker Compose.
- Automated database synchronization from production read replicas to staging using AWS EBS snapshots.
- Implemented secure reverse proxying and load balancing using Nginx.
- Configured monitoring and alerting using CloudWatch, Zabbix, and Grafana.
- Provided production support, incident troubleshooting, and performance optimization.

Key Projects

End-to-End CI/CD Pipeline for Containerized Applications

- Designed and implemented a fully automated CI/CD pipeline to build, test, and deploy Docker images to AWS ECS.
- Integrated AWS CodePipeline and CodeBuild with Amazon ECR for secure image storage and versioning.
- Enabled zero-downtime deployments across staging and production environments.
- **Tech:** AWS ECS, ECR, CodePipeline, CodeBuild, Docker, IAM

Secure Multi-Environment AWS Infrastructure

- Architected isolated development, staging, and production environments inside a private VPC.
- Implemented IAM roles, security groups, and Secrets Manager for secure credential management.
- Configured internal load balancers and bastion access for controlled production connectivity.
- **Tech:** AWS VPC, EC2, ALB, IAM, Secrets Manager, RDS

Education & Certification

- Master of Computer Application (MCA)
- Bachelor of Computer Application (BCA)
- Diploma in Cyber Security
- AWS Certified Cloud Practitioner