Dilip Kumar

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PROFESSIONAL SUMMARY

DevOps Engineer with 2 years of experience in IT infrastructure, CI/CD automation, containerization, and cloud deployments. Proficient in tools such as Jenkins, Docker, Kubernetes, Git, AWS, Terraform, Prometheus, Grafana, and SonarQube. Completed intensive DevOps training and delivered 3+ real-world production systems with full observability and traceability. Skilled in Infrastructure as Code (IaC), security compliance, monitoring, and automated software delivery.

KEY-ACHIEVEMENTS

- Achieved 80% faster deployments by implementing end-to-end automated CI/CD pipelines.
- Reduced vulnerabilities by 90% through integration of DevSecOps tools and security best practices.
- Realized 40% AWS cost savings by optimizing cloud infrastructure and resource utilization.
- Maintained 99.9% uptime across cloud-native applications with high availability configurations.
- Delivered 3+ production-grade systems with full observability and monitoring

DEVOPS PROJECTS

AWS-Native CI/CD Pipeline for EKS Deployment
Tools: AWS CodePipeline, CodeBuild, CodeDeploy, ECR, EKS, SNS, CloudWatch

- Built AWS-native CI/CD solution achieving 90% reduction in manual deployment tasks and 99.5% success rate.
- Implemented Docker image scanning using Trivy and Dependency-Check to detect build JAR vulnerabilities, achieving 100% container traceability with dynamic tags.
- Built an automated pipeline for pushing secure Docker images to Amazon ECR.
- Deployed ReactJS to EKS with zero downtime using kubectl and automated deployment scripts.
- Integrated CloudWatch/Fluent Bit for centralized logging, improving issue detection speed by 60%.
- Configured resource limits and health probes, improving cluster efficiency by 40%.

Infrastructure as Code & Monitoring Automation
Tools: Terraform, Jenkins, AWS (VPC, EC2), CloudWatch, Fluent Bit.

- Automated CI/CD pipeline deploying Dockerized React app to EKS, reducing release time by 70%.
- Provisioned infrastructure AWS (VPC, EC2) with Terraform ensuring 100% reproducibility of cloud resources.
- Configured Kubernetes probes achieving 40% better cluster resource utilization.
- Enabled SNS and Jenkins-based build notifications, improving response time and development efficiency by 70%.

Enterprise CI/CD with Security for React App
Tools: Jenkins, Docker, SonarQube, OWASP, Trivy, Prometheus, Grafana.

- Implemented Jenkins Multibranch pipeline reducing deployment time by 80% with automatic builds on Git push.
- Integrated SonarQube & OWASP Dependency-Check security tools identifying and resolving security tools identifying and resolving 85% of issues pre-deploy.
- Pushed Docker images to Docker Hub (public & private).
- Deployed monitoring stack (Prometheus, Grafana, Alertmanager) on AWS EC2, achieving 24/7 uptime alerting with real-time email notifications.

PROFESSIONAL EXPERIENCE

Software Developer
ZeOmegaInfotech,Bangalore │ November 2022 – October 2024

- Designed Jenkins CI/CD pipeline with Dependency Check tool for JAR vulnerability scanning ensuring security compliance .
- Used Puppet for orchestrating WSO2 API Manager deployment.
- Migrated enterprise WSO2-APIM to on-premises Kubernetes architecture with zero downtime, achieving 60% faster deployments.
- Automated security patch management for WSO2 components using built-in executable tools, ensuring consistent system integrity, compliance, and operational reliability.

EDUCATION & CERTIFICATION

Master of Computer Applications (MCA)
Madurai Kamaraj University │ August 2022 – May 2024 │ CGPA: 7.2

Bachelor of Computer Applications (BCA)
KG College of Arts & Science │ July 2017 – May 2020 │ CGPA: 7.8

Certified DevOps Engineer – GUVI │ July 2025
Certificate Link : Devops-Cert 🔗

TECHNICAL SKILLS

- CI/CD: Jenkins, GitHub Actions, AWS CodePipeline, CodeDeploy
- Cloud & IaC: AWS (EC2, EKS, ECR, SNS, VPC), Terraform
- Containers & K8s: Docker, Kubernetes, Helm
- DevSecOps: SonarQube, OWASP, Trivy.
- Monitoring: Prometheus, Grafana, Fluent Bit, CloudWatch
- Scripting: Bash, Python, YAML
- OS: Linux, Windows
- Version Control: Git, GitHub