DilipKumar

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CAREER PROFILE

Results-driven DevOps Engineer with 2 years of experience in building and deploying scalable cloud-native applications and CI/CD pipelines, achieving a 30% reduction in deployment time and maintaining 99.9% uptime across multiple projects. Skilled in **AWS, Docker, Kubernetes, Jenkins, and Terraform**, with expertise in Infrastructure as Code, container orchestration, and Streamlined deployment workflows. Proficient in applying **GitOps and DevSecOps** practices to improve software delivery, security, and reliability, with a strong understanding of the end-to-end application lifecycle.

TECHNICAL SKILLS

- Cloud Technologies: AWS
- Containerization & Orchestration: Docker, Kubernetes
- CI/CD: Jenkins, GitHub Actions, Argo CD
- Infrastructure as Code (IaC): Terraform
- Configuration Management: Ansible
- Monitoring & Observability: Prometheus, Grafana, ELK, CloudWatch, Fluent Bit
- Version Control: Git, GitHub
- DevSecOps: SonarQube, Trivy, Gitleaks, OWASP Dependency-Check
- Operating Systems: Linux, Windows
- Programming Languages: Bash , Python
- Artifact Repository : Nexus

PROFESSIONAL EXPERIENCE & PROJECTS

Software Engineer

Zeomega Infotech Private Limited - Bangalore **11/2022 – 10/2024**

Project - 1 JCT (Jiva Configuration tool)

- Managed the complete release cycle for Development and QA environments, encompassing requirements analysis, ticket handling, and stakeholder coordination.
- Built and validated artifacts locally to ensure stability before deployment to shared environments.
- Deployed applications across multiple environments (Dev, QA),including database migrations for upgrades within the same version.
- Collaborated with QA teams to resolve defects through timely fixes, regression testing, and stable build provisioning.

Project - 2 HealthUnity Smart Authorization Gateway

- **Coordinated full release lifecycle** including requirement analysis, build preparation, environment deployment, and stakeholder coordination.
- Deployed high-availability, multi-tenant WSO2 APIM/MI (on premise) Rancher Rke1 Kubernetes cluster, ensuring **99.9%** uptime and secure tenant isolation.
- Built optimized multi-stage Docker images, reducing image size by 35% and deployment time by 25%.
- Developed Helm charts with **NGINX Ingress, ConfigMaps, HPA/VPA, and Fluent Bit**, cutting release time by 30%.
- Configured persistent storage with **HostPath, NFS, and Longhorn**, improving reliability by 45% and preventing data loss.
- Database provisioning using Helm jobs and Dockerfiles, achieving 60% faster setup and reducing errors by 80%.
- Monitored application performance with **Prometheus and Grafana**, enabling alerting and reducing downtime by 20%.

Project - 3 Client-Driven Cloud Infrastructure and Microservices Deployment

- Provisioned AWS infrastructure using **Terraform, maintaining state in DynamoDB**, and created an EKS cluster with auto-scaling for dynamic resource provisioning, ensuring reliability and scalability for **deploying multiple microservices**.
- Implemented GitOps workflows with **ArgoCD to deploy microservices**, creating Dockerfiles and Helm charts, with testing on an internal cluster and seamless deployment to the client QA environment.
- Crafted optimized Dockerfiles following best practices, containerizing applications with auto-scaling, health probes, and resource limits, boosting reliability and availability by 30–85%.
- Designed and implemented CI/CD pipelines with and ArgoCD, achieving 80–95% automation and slashing manual deployment efforts by 90%.
- Integrated DevSecOps tools including **Gitleaks, SonarQube, Trivy, and OWASP Dependency-Check** into pipelines, reducing vulnerabilities by up to 80% and elevating code quality standards.
- Provisioned scalable **AWS infrastructure (VPC, subnets, EC2, EKS) via Terraform**, delivering 90% reproducibility and enhanced cloud-readiness for Kubernetes clusters.
- Established comprehensive monitoring and alerting systems using **ELK Stack, Prometheus, Grafana, and Alertmanager,** with CPU/memory thresholds at 70%, cutting downtime response times by 60–70%.
- Utilized **Nexus** for secure image storage and retrieval, while orchestrating build/deploy workflows with **AWS CodePipeline**, **CodeDeploy, and CodeBuild**, reducing overall deployment effort by 80–90%.

Egaisoft Project
End-to-End Fullstack Web Application (Monolithic Deployment) **01/2022 - 08/2022**

- Architected full-stack application using Reac, Spring Boot, and MySQL, ensuring real-time data handling and intuitive UI.
- Enforced manual testing across modules, improving product quality by 20%.
- Managed deployments on Apache Tomcat, including WAR packaging and server configuration for stable releases.
- Collaborated with cross-functional teams on requirement analysis and defect resolution, reducing release defects by 15%.

EDUCATION

Master of Computer Applications (MCA), Madurai Kamaraj University, India 07/2022 – 05/2024

Bachelor of Computer Applications (BCA)**,** Bharathiar University, India 07/2017 – 05/2020

CERTIFICATIONS

- DevOps Certification – Guvi 02/2025 – 04/2025
- Covered Tools : Aws, Kubernetes, Teffaform, Docker, Linux, Jenkins, Ansible, Networking, Git, Microservices-Deployment.