Priyanga Mohan

Senior Software Engineer – DevOps

📞 +91 93607 52350 ✉ priyankamohanid@gmail.com 🌐 https://github.com/pri12-hub/resume.pdf

KEY SKILLS

- DevOps Strategy & Implementation
- CI/CD Pipeline Development & Automation
- Kubernetes Cluster Management (EKS)
- Docker Containerization & Image Optimization
- Infrastructure as Code (IaC) with Ansible
- Cloud Infrastructure Management (AWS)
- Application Deployment & Release Automation
- Performance Monitoring & Alerting
- Security & Compliance (RBAC, Network Policies, Secrets Management)
- Cross-functional Team Collaboration & Mentoring
- Disaster Recovery & High Availability Planning
- Agile/Scrum Methodology

TECHNICAL SKILLS

Cloud Platforms:
- AWS (EKS, EC2, S3, ECR, CloudWatch)

Containerization & Orchestration:
- Docker, Kubernetes, Helm

CI/CD Tools:
- Jenkins, Maven, Git (branching, tagging, PR reviews)

Configuration Management:
- Ansible, Bash, Shell Scripting, Terraform

Monitoring & Logging:
- Prometheus, Grafana, AWS CloudWatch

Security & Code Quality:
- Kubernetes RBAC, Network Policies, SonarQube

Build & Artifact Management:
- Maven, Nexus Repository

Web/Application Servers:
- Apache Tomcat

PROFILE

Results-driven **DevOps Engineer** with **5 years** of experience in **designing, automating, and optimizing CI/CD pipelines**, containerized deployments, and cloud infrastructure. Skilled in **Kubernetes (EKS), Docker, AWS,** and **Ansible to deliver scalable, secure,** and high-performance solutions. Adept at infrastructure as code, application monitoring, and security compliance for mission-critical applications. Proven ability to collaborate across cross-functional teams, reduce deployment times, and enhance system reliability in microservices-based architectures.

PROFESSIONAL EXPERIENCE

💼 **Senior Software Engineer - DevOps | Dec 2020 - Present**
Kapital Information Technologies Pvt Ltd, Hyderabad, India.

EDUCATION

🎓 **B.E – Electronics & Communication Engineering | 2015**
PSNA College of Engineering and Technology, Tamil Nadu, India.

KEY PROJECTS

CI/CDModernization forMicroservices
- Transitioned from monolithic deployments to a Kubernetes-based CI/CD pipeline using Jenkins, Docker, and Helm.
- Reduced deployment times by 70% and enabled zero-downtime rollouts for Java applications on Apache Tomcat.

Healthcare Equipment Tracking & Patient Monitoring System
- Developed and deployed microservices (patient-service, equipment-service, booking-service) on Kubernetes with CI/CD automation.
- Implemented Git branching strategies, multi-stage Docker builds, and automated deployments via Jenkins.
- Configured Kubernetes HPA, ConfigMaps, Secrets, and Prometheus-based health monitoring.
- Achieved 50% faster deployments with enhanced scalability and system security.

Disaster Recovery Automation
- Automated failover scripts and infrastructure backups for mission-critical applications.
- Achieved RTO/RPO < 15 minutes, ensuring business continuity during outages.

ROLES AND RESPONSIBILITIES

Senior Software Engineer – DevOps at   **Dec 2020 – Present**
Kapital Information Technologies Pvt Ltd, Hyderabad, India.

- Designed, implemented, and maintained continuous integration and continuous deployment (CI/CD) pipelines using Jenkins for over 20 microservices, ensuring automated build, testing, and deployment processes.
- Developed infrastructure-as-code (IaC) solutions utilizing Terraform and Ansible to provision, configure, and manage AWS cloud resources in a repeatable and scalable manner.
- Automated the deployment of AWS infrastructure components (VPC, EC2, EKS, S3, IAM, Security Groups) with Terraform, facilitating faster environment setup and maintaining consistency across development, staging, and production environments.
- Managed and optimized Kubernetes clusters (both AWS EKS and on-premises), including Deployments, StatefulSets, Services, Ingress, ConfigMaps, Secrets, and Horizontal Pod Autoscaling (HPA).
- Migrated legacy applications to Docker containers and orchestrated deployments using Kubernetes, which enabled scalability and facilitated zero-downtime rollouts.
- Created and maintained Helm charts to ensure consistent and repeatable deployments across multiple environments.
- Configured liveness and readiness probes, resource quotas, and node affinity to enhance workload stability and optimize resource utilization.
- Implemented monitoring and alerting solutions with Prometheus, Grafana, and AWS CloudWatch to enable real-time performance tracking and proactive issue resolution.
- Integrated SonarQube into CI/CD pipelines to enhance code quality and security, resulting in a 60% reduction in vulnerabilities.
- Administered Maven and Nexus Repository workflows to streamline artifact storage and delivery processes.
- Enforced Kubernetes role-based access control (RBAC) and network policies to bolster security and compliance within production environments.
- Collaborated with development, QA, and operations teams to ensure seamless software delivery within Agile/Scrum frameworks.
- Provided technical mentorship to junior engineers by conducting DevOps workshops, thereby enhancing team capabilities.
- Led disaster recovery automation initiatives, achieving recovery time objectives (RTO) and recovery point objectives (RPO) of under 15 minutes for mission-critical systems.

PERSONAL DETAILS

Nationality   : Indian
Gender   : Female
Languages Known   : English & Tamil

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.