

Senior DevOps Engineer

Location: Remote (Must be available to work in CST Timezone)

Experience Required: 8+ Years

Department: Engineering

Employment Type: Full-Time

Role Overview

Ekshvaku Tech Innovations is looking for a highly experienced **Senior DevOps Engineer** who excels at building scalable, automated, and resilient infrastructure for modern distributed systems and AI-driven platforms.

You will lead DevOps strategy, modernize our infrastructure, and ensure high performance across multi-environment deployments. This role requires strong hands-on expertise, architectural thinking, excellent documentation discipline, and the ability to collaborate with cross-functional engineering teams.

Key Responsibilities

CI/CD & Automation

- Design, implement, and maintain scalable CI/CD pipelines for Prerel, QA, and Production.
- Continuously improve build, release, and deployment workflows.
- Reduce manual ops through automation and scripting.

Infrastructure Engineering

- Automate provisioning and configuration using Terraform, Ansible, and similar IaC tools.
- Architect, deploy, and maintain cloud infrastructure (AWS/GCP).
- Lead modernization initiatives: containerization, orchestration, microservices optimization.
- Implement high availability setups, DR strategies, and cost-optimized infrastructure.

AI/ML Operations

- Support AI/ML model training and deployment pipelines.
- Manage GPU orchestration and scalable model-serving environments.
- Work closely with AI and Data Engineering teams.

Monitoring, Security & Observability

- Implement centralized monitoring, logging, and alerting systems.
- Improve system reliability and incident response times.
- Ensure cloud security best practices (IAM, network security, zero-trust).
- Contribute to compliance efforts for HIPAA, SOC2, ISO 27001.

Documentation & Collaboration

- Maintain clear documentation, runbooks, and architecture diagrams.
- Collaborate with Engineering, Product, QA, and AI teams.
- Evaluate new DevOps tools and AI-powered automation capabilities.

Required Skills & Experience

- **8+ years** in DevOps or Cloud Infrastructure roles.
- Strong expertise in **GitHub Actions** and CI/CD pipeline architecture.
- Deep understanding of **AWS or GCP** (VPC, IAM, security, autoscaling).
- Production-level experience with **Docker & Kubernetes (EKS/GKE)**.
- Proficiency in scripting: **Python, Bash, or Go**.
- Strong experience with **Terraform, Ansible, CloudFormation**.
- Solid understanding of monitoring tools (Prometheus, Grafana, CloudWatch, ELK).
- Experience supporting **AI/ML pipelines** (MLflow, Kubeflow, SageMaker, Vertex AI).
- Knowledge of security best practices & compliance frameworks.
- Excellent communication and documentation skills.

Preferred Qualifications

- Experience with GPU workloads and ML orchestration.
- Knowledge of event-driven or serverless architectures (Lambda, Cloud Run).
- Exposure to GitOps tools (Argo CD, Flux).
- Background in AIOps (Dynatrace Davis, New Relic AI).
- AWS DevOps Engineer Professional or equivalent certification.

Success Indicators

- **90%+ reduction** in manual deployment tasks within 6 months.
- Fully standardized infrastructure documentation across all environments.
- Reduced downtime and faster incident resolution through observability.
- Improved developer velocity and increased deployment frequency.
- Adoption of AI-assisted automation and predictive monitoring.