

KALLU VENKATESH

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SUMMARY

Aspiring Cloud & DevOps Engineer with hands-on practice in CI/CD automation, containerization, cloud platforms, and DevSecOps through mentor-guided projects. Experienced in building pipelines with GitHub Actions, GitLab CI/CD, and Jenkins, deploying containerized apps on AWS/GCP, and integrating monitoring & security tools. Strong documentation, problem-solving, and collaboration skills.

WORK EXPERIENCE

DevOps Internship

(Trainee/Contract under Mentor-Guided Projects)

Feb 2025 - Aug 2025(Completed)

- Designed and managed CI/CD pipelines using GitHub Actions and GitLab CI/CD for containerized applications.
- Optimized builds in a monorepo CI/CD environment, improving efficiency with dependency management and selective test execution.
- Built and deployed Docker images; pushed artifacts to Google Container Registry (GCR).
- Automated MongoDB service orchestration with Docker Compose.
- Implemented deployment strategies (Blue-Green, Canary) to ensure zero-downtime rollouts.
- Conducted pipeline security automation: static analysis (SonarQube, DeepSource), secrets scanning (gitleaks, git-secrets), vulnerability detection (Trivy, Dependency Track).
- Integrated OWASP Top 10 coverage using Arachni; generated SBOMs for dependency analysis.
- Implemented monitoring & observability with Prometheus, Grafana, ELK Stack, Jaeger.
- Authored technical documentation & internal blogs on Dockerized databases, CI/CD validation, and DevSecOps practices.

Technical Skills

- CI/CD Tools: GitHub Actions, GitLab CI/CD, Jenkins, AWS CodePipeline, CodeBuild, CodeDeploy
- Cloud Platforms: AWS (EC2, S3, IAM), GCP (GCR, Cloud Build), Azure (Basics), DigitalOcean, Render
- Containers & Orchestration: Docker, Docker Compose, Kubernetes (minikube, deployments, services), Nginx
- Infrastructure as Code: Terraform (Basics), Ansible, CloudFormation, Chef, Salt
- Monitoring & Logging: Prometheus, Grafana, ELK Stack, Jaeger, CloudWatch
- Security & DevSecOps: SonarQube, Trivy, DeepSource, gitleaks, git-secrets, Dependency Track, Arachni
- Databases: MongoDB, PostgreSQL, MySQL, SQLite, Redis
- Other: Linux & Windows Server Management, Git (branching/merging), Agile collaboration, Documentation

Projects & Achievements

- Built CI/CD pipelines for MERN & FastAPI apps with GitHub Actions and GitLab CI/CD.
- Secured pipelines with automated vulnerability scanning and SBOM-based analysis.
- Implemented end-to-end monitoring for containerized microservices using ELK, Prometheus, Grafana.
- Practiced Infrastructure as Code (Terraform, Ansible) to provision cloud infrastructure.

EDUCATION

Bachelor of Science in Forensic Science

Aug 2021 - Aug 2024

Alakh Prakash Goyal Shimla University, Shimla

Core Strengths

- Problem-Solving
- Remote Collaboration
- Documentation
- Continuous Learning
- Agile Mindset