

VINEETH K

DevOps & DevSecOps Engineer

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PROFESSIONAL SUMMARY

DevOps and DevSecOps Engineer with 2+ years of experience, including automating software delivery pipelines, managing Linux-based infrastructure, and integrating security into development workflows. Skilled in designing scalable CI/CD pipelines using Jenkins, GitLab, and scripting with Python and Bash to streamline deployment processes and reduce operational overhead. Over time, transitioned into enhancing security practices by embedding SAST, DAST, and secrets management tools within DevOps workflows. Strong understanding of vulnerability management, access control (Keycloak, Vault), and compliance automation across secure SDLC pipelines.

SKILLS

CI/CD & Automation	Jenkins, GitLab CI, Maven
Scripting & Infra	Bash, Python, Shell, Groovy, Linux (RHEL)
Security Integration	Fortify, OWASP ZAP, SonarQube, WebInspect, Burp Suite
Secrets & Access Control	HashiCorp Vault, Keycloak, OAuth2, SAML
Containers & IaC	Docker, Terraform
Cloud & Infrastructure	Azure, Linux Administration, Application Deployment
Version Control	Git, SVN
Vulnerability Management	Dependency-Check, OWASP Top 10, Secure SDLC
Databases	PostgreSQL, MySQL

EXPERIENCE

DevOps & DevSecOps Engineer

Tata Consultancy Services

June 2023 - April 2025

Bhubaneswar, Odisha, India

CI/CD Development & Automation

- Designed and maintained CI/CD pipelines using Jenkins and GitLab, supporting build, test, deployment, and quality assurance stages.
- Developed and maintained a custom deployment script to automate application installation on target Linux servers, covering pre-check validations, installer retrieval from Nexus, installation execution, and post-deployment checks.
- Developed service control jobs (start/stop/restart) to reduce manual intervention for development and QA teams by 80%.

Infrastructure & Linux Administration

- Managed RHEL servers for deployment environments, ensuring availability, configuration consistency, and troubleshooting support.
- Wrote shell scripts for routine operations, health checks, and deployment readiness validations.

Secure CI/CD & Secrets Management)

- Embedded security tools like SonarQube, Fortify (SAST), and OWASP ZAP (DAST) into CI/CD workflows for early vulnerability detection.
- Integrated HashiCorp Vault for dynamic secret injection in CI/CD pipelines, removing hardcoded credentials and improving audit compliance.

- Implemented RBAC, OAuth2, and SAML using Keycloak for internal applications.

AppSec & Vulnerability Management

- Conducted manual and automated vulnerability assessments using Burp Suite, WebInspect, and Dependency-Check.
- Coordinated triage and remediation across development teams within SLA targets, reducing critical unresolved vulnerabilities by 60%.

CI/CD Framework & Script Governance

- Migrated shared CI/CD script libraries from SVN to Git and developed a centralized pipeline framework.
- Enforced controlled access to shared scripts to prevent unauthorized changes and promote consistency across pipelines.

ACHIEVEMENTS

Reusable CI/CD Framework Implementation

- Centralized pipeline logic in Git for consistency across teams.
- Reduced pipeline creation effort and script duplication by 70%.

Pipeline-Level Vulnerability Blocking

- Integrated Maven dependency scanning with OWASP Dependency-Check.
- Prevented 15+ vulnerable components from entering production..

Security Toolchain Automation

- Automated Fortify and ZAP scans within Jenkins jobs.
- Enhanced reliability and reduced scan time by 50% via scripting.

EDUCATION

Bachelor of Computer Science, APJ Abdul Kalam Technological University, Kerala

2018 - 2022

ADDITIONAL INFORMATION

- **Soft Skills:** Problem-Solving, Attention to Detail, Communication, Ethical Mindset
- **Languages:** English, Malayalam, Hindi
- **Leadership:** Led deployments in absence of manager; mentored peers on secure automation and DevOps best practices.