PRASAD SHEKHAR NAIK

DevSecOps Engineer | AWS | CI/CD | Security Automation

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Portfolio: prasaa18.github.io/devsecops-portfolio/

PROFESSIONAL SUMMARY

Results-driven DevSecOps Engineer with 4+ years of expertise in building secure, scalable cloud infrastructure and CI/CD pipelines. Specialized in security automation, vulnerability management, and AWS cloud operations. Proven track record of improving deployment reliability by 90%+ through automated security scanning, Docker/Kubernetes orchestration, and infrastructure as code. Adept at integrating DevSecOps best practices across the SDLC to accelerate releases while maintaining enterprise-grade security compliance.

PROFESSIONAL EXPERIENCE

Associate Consultant Aug 2024 – Present
Infosys Ltd

- Orchestrated end-to-end Build & Release pipeline including code compilation, security scanning (SonarQube, Fortify, Black Duck, 42Crunch), and deployment automation for 30+ microservices

- Automated DAST scans using OWASP ZAP and integrated results into centralized dashboard, enabling continuous vulnerability tracking and reducing security incidents by 40%

- Improved code coverage from 60% to 90% by implementing unit/integration tests and leveraging AI-assisted test generation tools

- Led zero-downtime migration of 15+ services from Javax to Jakarta using AI tools (Copilot, Gemini), ensuring backward compatibility

- Performed 42Crunch API security scans in UAT environments, remediating Swagger vulnerabilities and improving API compliance by 35%

- Collaborated with QA and DevOps teams to resolve production issues, optimize Docker images (reducing size by 40%), and maintain 99.9% deployment stability

- Implemented container security using Sysdig and Black Duck, conducting pre-release security reviews that reduced critical vulnerabilities by 60%

- Built GitHub Actions workflows for CI/CD automation and integrated SonarQube with Jenkins for continuous code quality inspection

Associate Engineer Dec 2021 – Aug 2024
Virtusa

- Architected and developed a secure payment processing system using Spring Boot microservices architecture for a major e-commerce platform, handling 10K+ daily transactions
- Integrated Trustly PSP APIs with end-to-end encryption using Spring Security, HmacSHA256, and RSA, achieving 100% authentication success and zero data tampering incidents
- Designed and implemented a modular Validation Framework for field-level and business logic validation, reducing error rates by 50%
- Deployed production solutions on AWS with high availability architecture, maintaining 99.95% uptime
- Collaborated in Agile/Scrum environment, delivering sprint goals consistently with 95%+ story completion rate
- Developed comprehensive error handling system with custom exception handlers, improving debugging efficiency by 40%

FEATURED PROJECTS

Cafe Management CI/CD Platform ⬈
GitHub Actions • Jenkins • Terraform • EKS • Helm • DevSecOps

- Built production-grade CI/CD ecosystem automating builds, security scans, containerization, and deployments to AWS EKS
- Provisioned scalable EKS cluster with VPC, public/private subnets using Terraform + eksctl, reducing infrastructure setup time by 70%
- Implemented DevSecOps controls with Trivy FS/image scans and Docker Scout CVE analysis in Jenkins pipelines
- Achieved GitOps-style delivery using Helm charts with automated versioned deploys, improving deployment reliability by 85%
- Integrated SonarCloud SAST for code quality gates and automated ECR image pushes

vProfile ECS CI/CD Pipeline ⬈
Jenkins • Maven • Docker • AWS ECS Fargate • SonarQube

- Designed Jenkins pipeline with Maven builds, unit tests, SonarQube quality gates, and Docker image creation
- Automated secure ECR push and zero-downtime ECS Fargate deployments using Jenkins and AWS CLI
- Implemented Slack/email notifications for deployment visibility and artifact archiving for audit trails

Cloud Monitoring & Observability Lab ⬈
Prometheus • Grafana • Loki • Alloy • AWS EC2

- Deployed complete monitoring stack (Prometheus → Grafana → Loki → Alloy) across isolated AWS EC2 instances

- Automated infrastructure provisioning with setup scripts and systemd services for node_exporter, Alloy, and Loki
- Built real-time dashboards and alerting rules in Grafana for unified metrics and log monitoring

TECHNICAL SKILLS

Languages & Frameworks:	Java 8+, Spring Boot, Bash Scripting, REST APIs
DevOps & CI/CD:	Jenkins, GitHub Actions, Blue-Green Deployments, GitOps
Cloud Platforms:	AWS (EKS, ECS, EC2, S3, ECR, CloudWatch, Route 53, IAM)
Containerization:	Docker, Kubernetes, Helm, Sysdig
Security Tools:	OWASP ZAP, SonarQube, Fortify, Black Duck, 42Crunch, Trivy
Infrastructure as Code:	Terraform, Ansible, Maven
API Management:	Postman, Swagger, API Gateway, Microservices
Monitoring & Logging:	Prometheus, Grafana, CloudWatch, Loki, ELK Stack

EDUCATION

Bachelor of Engineering – Electronics & Communication 2017 – 2021
Dr. Ambedkar Institute of Technology, Bengaluru

CERTIFICATIONS

- AWS Certified Developer Associate
- Oracle Certified Associate, Java SE 8
- DevOps Beginner to Advanced (Udemy)