Prasad Shekhar Naik

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SUMMARY

Experienced DevSecOps Engineer with 4+ years in Java and Spring Boot microservices, specializing in security automation, CI/CD optimization, and AWS cloud operations. Skilled in vulnerability management, Docker/Kubernetes orchestration, and infrastructure as code. Proven track record in enhancing platform security, release quality, and deployment reliability through AI-driven automation.

EXPERIENCE

Associate Consultant
Infosys Ltd   Aug 2024–Present

- Responsible for application Build & Release process which includes Code Compilation, Packaging, **Security Scanning** and code quality scanning, Deployment Methodology and **Application Configurations**
- Defining Release Process & Policy for projects early in **SDLC** and responsible for source code build, analysis and deploy configuration.
- Collaborated with QA and DevOps teams to resolve **SIT/UAT/production issues,** optimize Docker images, Jenkins pipelines, and maintain deployment stability.
- Extensively worked on GitHub Actions for continuous integration and for End-to-End automation for all build and deployments.
- Performed 42Crunch API security scans in UAT, fixing Swagger issues and vulnerabilities to enhance API compliance and release readiness.
- Remediated vulnerabilities flagged by **SonarQube**, **Fortify**, **Blackduck** and **42Crunch**, reducing blockers and accelerating production releases.
- Automated **DAST (OWASP ZAP**) scans and integrated results into a central dashboard; onboarded 30+ services for **continuous vulnerability** tracking across multiple tools.
- Ensured container and dependency security using **Sysdig** and **Black Duck** conducted pre-release **security reviews** to minimize risks.
- Improved code coverage to **90%** by adding unit/integration tests and leveraging AI-assisted test generation.
- Migrated services from Javax to Jakarta using **AI tools** (**Copilot, Gemini**) with zero downtime.
- Led Fortify upgrades and proactive patch management, applying daily fixes to maintain secure, release-ready environments.
- Integrated **SonarQube** with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
- Created **Jenkins CICD** pipelines for continuous build & deployment and integrated **Junit** and **SonarQube** plugins in Jenkins for automated testing and for **Code quality** check.
- Experience with container-based deployments using Docker, working with **Dockerimages, Docker Hub** and **Docker-registries** and **Kubernetes**

Associate Engineer
Virtusa   Dec 2021–Aug 2024

- **Developed** a **secure** and **robust payment system** using **Spring Boot** for a client's e-commerce platform.
- **API integration** with **Trustly** utilizing **microservices architecture**.
- **Hosted** the solution on **AWS**.
- **Worked** in an **Agile team** for end-to-end **Trustly PSP integration**.
- **Designed** and **developed** a modular **Validation Framework** for **field** and **business validation**.
- **Applied security** using **Spring Security** with **HmacSHA256** and **RSA** for data integrity and authentication.
- **Built** an **end-to-end error handling system**.
- **Integrated** third-party **Trustly APIs**.
- **Developed security APIs** with **RSA** to ensure **100% authentication** and prevent data tampering.
- Major contributor to the **payment validation system** with some work on **processing** and **Trustly provider services**.

PROJECT

Cafe-Management CI/CD | GitHub Actions • Jenkins • Terraform • EKS • DevSecOps ⎘

- Built an end-to-end CI/CD ecosystem for a full-stack Café Management App using **GitHub Actions + Jenkins**, automating builds, scans, containerization, and deployments to **AWS EKS**.
- Provisioned a production-ready **EKS cluster, VPC, public/private subnets, and node groups** using **Terraform + eksctl**, enabling scalable and secure cloud infrastructure.
- Implemented **DevSecOps controls** with **Trivy FS & image scans** and **Docker Scout CVE analysis** in Jenkins pipelines for both **backend and frontend**, ensuring vulnerability-free container images.
- Automated GitHub Actions workflows for backend/frontend builds, Docker image pushes to **ECR**, and Helm deployments, with **SonarCloud SAST integration** for code quality and security.
- Achieved a consistent GitOps-style delivery model using **Helm charts** within namespaces, and automated versioned deploys—improving deployment reliability and reducing manual ops.

vprofile-ecs-cicd ⎘
- Built a Jenkins CI/CD pipeline with **Maven build, unit tests, SonarQube scan**, and **Docker image creation**.
- Automated secure **ECR push** and **zero-downtime ECS Fargate deployments** using Jenkins and AWS CLI.
- Implemented full DevSecOps flow with **SonarQube quality gates, artifact archiving, and Slack/email alerts** for deployment visibility.

Cloud Monitoring & Observability Lab on AWS (Prometheus, Grafana, Loki, Alloy) ⎘

• Designed and deployed a complete monitoring pipeline (Prometheus → Grafana → Loki → Alloy) across isolated AWS EC2 instances.
• Automated provisioning using setup scripts (node_exporter, Alloy, Titan Flask app, Loki) with systemd service
• Built dashboards, alerts, and real-time log panels in Grafana for unified metrics+logs monitoring

EDUCATION

B.E Electronics & Communication
Dr. Ambedkar Institute of Technology • Bengaluru • 2017–2021

CERTIFICATIONS

Oracle Certified Associate, Java SE 8

AWS Certified Developer Associate

DevOps Beginner to Advanced (Udemy)

SKILLS

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