

# 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 App

- Developed and deployed a full-stack cafe management system using Java Spring Boot, Angular, and MySQL on AWS EKS with a GitOps-driven, security-compliant pipeline.
- Automated CI/CD with Jenkins and GitHub Actions for build, scan (SAST: SonarQube/Trivy, dependency: Docker Scout), and deployment stages, enforcing quality and security gates at every step.
- Containerized applications with Docker, managed images via AWS ECR, and performed Kubernetes deployments via Helm, integrating AWS Route 53 for DNS and seamless service discovery.
- Established end-to-end observability and incident response using AWS CloudWatch and automated email alerts.
- Result: Achieved fully automated, production-grade, continuous delivery workflows, reducing incident rate and improving deployment reliability.

### CICD Automation on AWS ECS/ECR

- Designed and managed automated build, test, and deployment pipelines on AWS using ECS, ECR, GitHub Actions, and Jenkins, ensuring secure, isolated build stages and rapid rollback support.
- involved in CI/CD process and integrated GIT, Nexus, SonarQube, Maven artifacts build with Jenkins and creating Docker image and using the Docker image to deploy over ECS

### GitOps Infra Automation

- Architected AWS infrastructure (EKS,S3, ECR, IAM, VPC) using Terraform for scalable, repeatable cloud provisioning.
- Implemented IaC-based environments for secure & consistent builds, cutting pipeline time by 35%.

### Microservices Demo

- Led development of a Dockerized, microservices-based backend (Order, Product, Inventory, Notification), integrating Spring Boot API Gateway, Service Discovery, Circuit Breaker patterns for secure, resilient communication.

- Orchestrated local and cloud-scale deployments with Docker Compose and Kubernetes, ensuring rapid scaling and fault tolerance.
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## EDUCATION

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### B.Tech Electronics & Communication

Dr. Ambedkar Institute of Technology • Bengaluru • 2017–2021

## CERTIFICATIONS

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**Oracle Certified Associate, Java SE 8**

**AWS Certified Developer Associate**

**DevOps Beginner to Advanced (Udemy)**

## SKILLS

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- 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