

PRASAD SHEKHAR NAIK

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PROFESSIONAL SUMMARY

DevSecOps Engineer with 3.5+ years of blended experience in Java/Spring Boot microservices and platform security automation. Currently working at Infosys with hands-on exposure in DAST/SAST scanning, CI/CD security, API onboarding to security dashboards, and DevOps tooling. Proficient in building secure deployment pipelines, container orchestration, vulnerability management, and cloud-native automation using AWS, Docker, Kubernetes, Terraform, and GitHub Actions. Adept at troubleshooting platform issues and enabling secure delivery for scalable microservices.

SKILLS

- Languages & Backend: Java, Spring Boot, Spring Security, REST APIs, Maven
- DevSecOps & Tools: Jenkins, GitHub Actions, Docker, Kubernetes, Helm, SonarQube, Fortify, 42Crunch, OWASP ZAP, GitLab CI/CD, Artifactory
- Cloud & Infra: AWS (EC2, ECS, ECR, IAM, S3, VPC, Route 53, Beanstalk), Terraform, Ansible
- Databases: MySQL
- Other: Jira, Postman, Agile, Git, Bitbucket, IntelliJ, VS Code, Eclipse

PROFESSIONAL EXPERIENCE

Infosys Ltd — Associate Consultant

Aug 2024 – Present

- Performed 42Crunch API security scans on UAT and remediated Swagger specification issues and vulnerabilities flagged during testing, improving API compliance and release readiness.
- Remediated vulnerabilities identified by SonarQube, Fortify, and 42Crunch across multiple microservices through prioritized fixes, reducing security blockers for production releases.
- Automated DAST (OWASP ZAP) scanning and integrated DAST results into a central vulnerability dashboard; onboarded 3+ services to the dashboard and scheduled regular scans to enable continuous vulnerability tracking across 42Crunch, Black Duck (SCA), Fortify, and DAST tools.

- Monitored container security using the Sysdig plugin and performed dependency (SCA) scans with Black Duck; conducted manual security reviews prior to API onboarding to ensure minimal vulnerabilities at release.
- Increased code coverage to 80% by adding unit/integration tests and automating test generation using AI tools.
- Migrated services from Javax to Jakarta using AI-assisted tools (GitHub Copilot, Gemini), achieving seamless modernization with minimal downtime.
- Fixed SIT, UAT, and production issues by collaborating with QA and DevOps teams, accelerating release cycles.
- Upgraded Docker images and resolved pod failures, Jenkins pipeline issues, and deployment errors.
- Performed Fortify upgrades and resolved critical vulnerabilities, maintaining security gates for smooth production deployments.
- Led dependency vulnerability remediation efforts, performing daily checks and applying security patches to avoid release blockers.

Virtusa — Associate Engineer

Dec 2021 – Aug 2024

- Developed secure REST APIs in Spring Boot with HMAC/RSA validation for payments.
- Integrated third-party APIs (Trustly), implemented business logic and reusable service components.
- Delivered deployments using EC2 and S3 with minimal downtime.
- Participated in Agile ceremonies and production release cycles.

PROJECTS

CI/CD Automation on AWS ECS & ECR

Built CI/CD pipeline automating build, test, image packaging, and blue-green ECS deployment. Integrated GitHub Actions and Jenkins to trigger pipeline stages with rollback support. Used ECR for container registry and EC2-based agents for secure build isolation.

GitOps Infra with Terraform, Kubernetes, and Helm

[GitHub Repo](#)

- Provisioned **AWS infrastructure** (ECS, ECR, IAM, VPC) using **Terraform** and deployed microservices via **Helm charts** onto Kubernetes clusters.
- Built **GitOps pipelines** with GitHub Actions for **infrastructure provisioning, application deployments, and rollback automation**, enabling **zero-downtime deployments**.
- Integrated **SonarQube** into CI/CD pipelines to enforce **code quality gates** before production deployments.

- Streamlined deployments with **GitOps-based version control**, ensuring every infrastructure and application change was **auditable, reproducible, and secure**.

Cafe Management App

[GitHub Repo](#)

- Designed and deployed a full-stack **Cafe Management Application** (Java Spring Boot + Angular + MySQL) on **AWS EKS** using a **multi-stage CI/CD + DevSecOps pipeline** with separate pipelines for frontend & backend.
- Implemented **GitOps workflows** with GitHub Actions for **Code → Build → Scan → Deploy → Notify** automation, ensuring seamless deployments and rollback capabilities.
- Integrated **SonarQube, Trivy, Docker Scout** for **SAST, dependency checks, and image security**; enforced **quality gates** and **security-first pipelines** before every deployment.
- Automated **Docker build & push** to AWS ECR, **Kubernetes deployments** via Helm charts, with **Ingress + Route53 DNS mapping** for seamless frontend-backend communication.
- Enabled **end-to-end observability** using AWS CloudWatch and email alerts for pipeline status.
- Achieved **production-grade deployments** with a fully automated, security-compliant workflow integrating code quality, vulnerability scans, and continuous delivery

Microservices Architecture Demo

Led the development of a microservices-based architecture for an application, integrating Order, Product, Inventory, and Notification Services. Enabled seamless communication between services, leveraging synchronous and asynchronous messaging • Implemented advanced features such as API Gateway, Service Discovery, and Circuit Breaker for fault tolerance. Containerized each microservice using Docker and orchestrated deployment with Docker Compose for scalability and portability

EDUCATION

- Dr. Ambedkar Institute of Technology, Bengaluru — B.Tech in Electronics and Communication Engineering — 8.6 CGPA (2017 – 2021)
- H.B Govt P.U College, Nellikeri, Kumta — Class 12 (PCMCs) — 88.8% (2015 – 2017)

CERTIFICATIONS

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