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)