Abhishek Kulkarni

Software Engineer – III

✉ kulkarniabhishek159@gmail.com

[Click here to view Linked-in profile](#)

☷ +91 7756806941

Passionate Java Spring-Boot Microservices Developer with 5 Years of Experience | Expertise in Containerization, Kubernetes Deployment & Infrastructure as Code | Certified Kubernetes Administrator | Delivering Scalable & Resilient Solutions

Dedicated and results-driven Java Developer with 5 years of hands-on experience in developing REST APIs and microservices using Spring Boot. Proven expertise in optimizing workflows through containerization, Kubernetes deployment, and Infrastructure as Code, enhancing efficiency and scalability. Seeking a challenging role to leverage my skills in java development, cloud infrastructure, and DevOps practices to contribute to a dynamic, high-performing team.

Technical Skills

Programming language	Java
Framework	Spring-boot (spring-security, spring-cloud)
Distributed Messaging System and Service Discovery	Kafka and Zookeeper, Eureka
Cloud Technologies	AWS
Build Tools	Maven and Gradle
Container Technologies	Docker, Kubernetes
Scripting	Shell, Batch and Python
Version Control System	Git and Bitbucket
Configuration Management	Ansible
Infrastructure as Code	Terraform
CI/CD	Jenkins, Argo CD and GitHub actions
Static code analysis	SonarQube, Black Duck and Coverity
Observability and Monitoring	Prometheus and Grafana

Professional Summary

Veritas Technologies (Now part of Cohesity), Pune — Software engineer III

Jan 2023 – PRESENT

- Managed and maintained third-party libraries to ensure product security and **mitigate vulnerabilities.**
- **Enhanced product functionality** based on customer requirements, delivering tailored solutions.
- Swiftly resolved high-priority customer defects, ensuring timely resolution and a seamless user experience.
- Extensively worked on designing, developing, and deploying Spring Boot-based microservices applications from scratch, with a deep understanding of **RESTful APIs** and integration with databases, messaging systems (like **kafka**), and other third-party services.
- **Skilled in gathering customer requirements** and translating them into robust software solutions, ensuring alignment with business objectives while maintaining code quality, performance, and scalability.
- **Developed robust utilities using Java and Shell scripting** to automate platform-specific actions, streamlining operational tasks and improving system efficiency while ensuring seamless integration with existing processes and infrastructure.
- **Strong problem-solving and debugging skills**, with a focus on performance optimization and identifying root causes of issues in complex distributed systems, leading to the resolution of critical bugs and performance bottlenecks.
- Developed and executed **JUnit** test cases using **Mockito** to ensure robust unit testing and enhance code quality.
- Developed and managed end-to-end configuration management projects using **Ansible**, integrating with **Jenkins** for smooth **Kubernetes** deployments, including monitoring and meaningful logging for troubleshooting.
- Containerized Spring Boot microservices by creating Dockerfiles from scratch and achieved **Docker** multi-staging to significantly reduce image sizes.
- Streamlined the **CI/CD pipeline** for Java-based applications using **Gradle**, resulting in a 20% reduction in build and deployment times.
- Developed a custom **Python** script to automate the upgrade process of Kubernetes deployments.
- Implemented proactive monitoring and alerting using **Prometheus and Grafana**, reducing system downtime by 15%.
- Managed and maintained Kubernetes clusters, ensuring **high availability and scalability** for containerized applications. Implemented **rolling update** and **automatic scaling** to accommodate increased workloads during peak usage periods.
- Involved in defining **Git** branching strategies and version control best practices, enhancing code collaboration and traceability.
- Provisioning **AWS** cloud infrastructure using **Terraform** and configuring them using **Ansible**.
- Led knowledge-sharing sessions on **Kubernetes** fundamentals, covering cluster creation using **kubeadm** and troubleshooting common issues.
- Demonstrated excellent problem-solving skills by automating routine server maintenance tasks, freeing up valuable team resources for strategic projects.

- Collaborated with cross-functional teams (product managers, QA engineers, and DevOps) to ensure timely delivery of product features and defect fixes in agile environments, contributing to enhanced team productivity.
- Utilized Spring Boot, Spring Cloud, and related microservices technologies to build modular, reusable components that meet customer needs and support continuous integration and deployment (CI/CD) pipelines.

Ness Technologies, Pune — Software Engineer – Java Developer

Mar 2022 – Jan 2023

- Resolved high-priority bugs and defects, ensuring system reliability, and delivering high-quality software solutions.
- **Monitored and maintained third-party libraries**, proactively mitigating security vulnerabilities and keeping dependencies up to date.
- **Designed REST API contracts and response structures**, ensuring alignment with customer requirements and industry standards.
- Hands-on experience with **Java to database connectivity using Spring Data JPA**, ensuring efficient data access and management across applications.
- Developed and executed **JUnit** test cases using **Mockito** to ensure robust unit testing and enhance code quality.
- Integrated a **Jenkins** pipeline for static code analysis using **Black Duck** for third-party library vulnerability analysis and **Coverity** to detect code smells, enhancing code quality. Automated the creation of **Jira** tickets on behalf of Coverity, including bug and code smell details in the ticket descriptions.
- Demonstrated proficiency in **Ansible** and **Terraform**, creating infrastructure on AWS using Terraform and managing package installations using Ansible.
- Collaborated with cross-functional teams to ensure seamless project delivery in an **Agile** environment.
- Infrastructure Patch management for all **linux** servers using **Ansible**.
- Developing and maintaining the continuous integration and deployment pipelines using **Jenkins, Git, Gradle, Jfrog, Ansible**.

Tata Consultancy Services, Pune — System Engineer – Java Developer

Feb 2020 – Feb 2022

- Involved in Developing rest APIs using **spring boot** and **microservices** in **agile** mode.
- Developed exact **Java** solution to the respective COBOL functionality using **Java 8** features.
- API testing using **postman**.
- **Junit** and **Mockito** testing to improve coverage using **Eclemma** and **Jacoco**.
- Code quality maintenance using **SonarQube**.
- Remove bugs and code smell issues after **Jenkins** build.
- Debugging application in **AWS** cloud environment by analyzing **CloudWatch** logs.

EDUCATION

Kolhapur Institute of Technology — *B.E.*

July 2015 – May 2019

Mechanical Engineering

Achievements

- **Certified Kubernetes Administrator (CKA-2024)**

GitHub

Here is my GitHub profile, where I showcase my projects and contributions beyond my professional work.

https://github.com/abhi142897