Abhishek Kulkarni

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| 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 SolutionsDedicated 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 SummaryVeritas Technologies (Now part of Cohesity), Pune — Software engineer IIIJan 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 DeveloperMar 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 DeveloperFeb 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.    EDUCATIONKolhapur 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> |