DHAMODHARAN R

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Skills

- Java | Spring | SpringBoot | Spring Core | Spring MVC | Spring Cloud | Spring JPA
- MySQL | JUnit | Jenkins | Maven | REST APIs | Microservices | JSON
- Git | Postman | SonarQube | Eclipse | Checkmarx | Cycode | Google Cloud Platform | Backend Development

Experience

Software Engineer   **Ford Motor**   *Chennai, India*   **03/2023 - Present**

- Led and managed a team of Java developers in the successful design, implementation, and debugging of RESTful APIs and microservices using **Java** and Spring Framework.
- Developed mission-critical microservices from inception to deployment using **SpringBoot** and Spring Cloud. Successfully delivered and maintained over 5 applications in a Pivotal Cloud Foundry (PCF) environment.
- Designed and implemented new features for JSON-based REST APIs serving as the backend for Co2FEC, a web interface for accessing CO2 emissions data of automobiles. Developed the APIs using **Spring MVC**.
- Executed Jenkins pipeline scripts to automate build, testing, and deployment workflows for microservices, resulting in streamlined release processes and improved efficiency.
- Integrated SpringBoot applications with MySQL databases, demonstrating expertise in database connectivity and complex SQL query formation. Utilized **Spring JPA** to build and thoroughly test intricate SQL queries within APIs, facilitating the retrieval of detailed automobile data from MySQL servers.
- Debugged and located root cause in distributed API flows and micro services to fix 30+ defects.
- Utilized **Checkmarx** rule sets to proactively identify and mitigate code vulnerabilities, resulting in a remarkable 30% reduction in code defects through the implementation of Check Marx's automated scanning and analysis.
- Operated within Agile methodologies, actively engaging in daily stand-up meetings, sprint planning sessions, and retrospectives. Collaborated closely with product managers and QA engineers to consistently deliver high-quality software.
- Proficient in **Google Cloud Platform** services, deployed and effectively managed scalable microservices in GCP.

Junior Engineer   *Chennai, India*   **08/2021 - 03/2023**

- Proficiently implemented JUnit testing and effectively resolved complex bugs in SpringBoot applications, leading to a remarkable 25% reduction in post-release defects. Successfully tackled and rectified over 200+ critical blocker bugs in SonarQube scans.
- Leveraged **Cycode** to bolster code security and achieved a 25% reduction in code vulnerabilities through routine system audits. Successfully integrated Cycode into application's CI/CD pipelines, promoting secure coding practices.
- Proactively managed and resolved critical issues during production support phases, consistently delivering results that ensured the closure of production Major Incident Management (MIM) cases with an impeccable record of zero SLA breaches.
- Proficient in end-to-end troubleshooting and debugging of APIs using Postman, with a focus on ensuring seamless API functionality and reliability.
- Consistently recognized as a high-performing team member, receiving periodic incentives as a token of appreciation for my dedication and contributions.

Achievements

- Demonstrated outstanding performance, resulting in a well-deserved **promotion from SG4 to SG5.**
- **Promoted to High-Tech High-Demand** (HTHD) role for effectively driving the integration of Checkmarx security solutions, achieved a 20% reduction in application vulnerabilities.

Education

B.E Electronics and Communication Engineering   *Kalavakkam, Chennai, India*   **07/2017 - 05/2021**
SSN College of Engineering