Aadarsh Singh

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EDUCATION

SKIT
BTech in Electronics and Communication
Aug 2021 | Jaipur, India

PROFILE

Experienced software automation engineer specializing in Spring microservices and backend development. Skilled in designing automated test frameworks, enhancing product quality, and ensuring system scalability. Proficient in Java, Spring Boot, RESTful APIs, and WebSocket, with strong collaboration and problem-solving abilities.

LINKS

Github:// **aadarsh76**
LinkedIn:// **aadarsh-singh-mertia**
Article:// **@article**
Porfolio:// **@myPortfolio**

SKILLS

PROGRAMMING
Backend:
Java • Spring Boot • MYSQL • RESTful APIs • MicroServices • WebSocket
Automation:
Selenium WebDriver • Jenkins • CI/CD • TestNG • Postman • Cucumber BDD
Web Technologies:
HTML • CSS • Javascript

TRAININGS

CCNA
Completed comprehensive in-person training program, gaining proficiency in a wide range of networking topics.

AUTOMATION MASTER
Completed virtual training in Automation Testing, with a focus on Selenium. Applied skills to conduct comprehensive testing of e-commerce platforms and food delivery applications.

EXPERIENCE

CISCO | Software Engineer
Oct 2022 - Oct 2023 | Bengaluru, Karnataka

- Significantly contributed to end-to-end testing and automation of the Cisco Optical Network Planner tool. Technologies used: Java, Selenium WebDriver, TestNG, Apache Maven, Jenkins Pipeline, Shell scripting, and Linux to drive success in this endeavor.
- Automated E2E Code Coverage using Jenkins Pipeline. This boosted test coverage beyond 70% for key test suites, enhancing overall testing efficiency.
- Key contributions include enhancing the Selenium framework's library section by implementing various Selenium methods.
- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.
- Integrated third-party tools and components into applications.

PROJECTS

SPRING BOOT CHAT APPLICATION USING WEBSOCKET:
Developer
Developed a real-time chat application using **Spring Boot** and **WebSocket**. Implemented features such as user authentication, message broadcasting, and a responsive UI. Utilized WebSocket for real-time communication to ensure low latency and high performance.

BUILDING A SCALABLE MICROSERVICES ARCHITECTURE:
Developer
Architected a high-performance microservices system with Spring Boot and **RESTful APIs**. Implemented scalable solutions using asynchronous messaging and CI/CD pipelines for automation.

END-TO-END AUTOMATING E-COMMERCE WEBSITE: QA Engineer
Automated E-commerce platforms to streamline the process of entering user details and adding items to the cart, utilizing **Selenium** for efficient web automation.

CERTIFICATION

- CCNA: Cisco Certified Network Associate
- Modernizing Java EE Applications
- Automation Testing (Master's Program)
- Web Development: Using HTML, CSS, and JavaScript

ARTICLE

Successfully authored and published a comprehensive article on LinkedIn detailing the development of a real-time WebSocket chat application using Spring Boot. The article covers the project's architecture, implementation details, and the integration of WebSockets for instant messaging, attracting significant engagement and feedback from the developer community. Demonstrated expertise in web development and real-time communication technologies.