Prashant Singh

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Empowering quality through innovative automation: Leveraging 2.5 years of SDET expertise for excellence in testing and QA.

EDUCATION

University of Petroleum and Energy Studies, *B.tech in Computer Science* | Uttarakhand, India
GPA: 7.69 / 10.0
March 2021

EXPERIENCE

Cognizant Technology Solutions , *Associate (SDET & QA Engineer)* | Noida (India)   Sep 2021 - Present
- Developed frontend UI and API automation test scripts for new features, and bug fixes, and maintained application in an agile environment for a USA-based Fortune 500 client.
- Took ownership and independently implemented API automation from scratch in the project using Postman and REST Assured, reducing regression time by 50%, and ensuring the integrity and functionality of backend services for client applications.
- Automated regression testing of a payment calculation feature in our app, which used tiered values and percentages for various USA states, reducing testing time by over 80%.
- Led 5-6 QA team members in API automation activities, collaborating with product owners, business analysts, and developers.
- Participated in all QA aspects of the product development lifecycle, including gathering requirements, and conducting functional, system, and regression testing, along with manual testing, automation, database testing, and integration testing.
- Collaborated with cross-functional teams to create and maintain an automated testing framework, ensuring streamlined test data preparation and effective project management.

Cognizant Technology Solutions, *SDET Intern* | Pune (India)   Mar 2021 - Sep 2021
- Acquired proficiency in various development languages and frameworks, mastering Java, Selenium, Cucumber, TestNG, Rest Assured, Appium, Jenkins, JavaScript, HTML/CSS, React, Spring Boot, JMeter, and AWS Lambda during my internship.
- Led a team of four to collaboratively develop an automation framework for Pepperfry.com.
- Demonstrated exceptional performance, achieving an overall percentage score of 89% and securing a full-time opportunity.

SKILLS

Languages	Java, Javascript, SQL
Frameworks	Selenium, Cucumber, Rest Assured, Appium, React, React Native, Boostrap, ExpressJs, Spring Boot
Tools & Software	Git, Docker, Jenkins, JIRA, Postman, TestNG, Linux, VS Code, Eclipse, JMeter, AWS Lambda, Jest
Soft Skills	Leadership, Team Collaboration, Communication, Problem-Solving, Adaptability, Time Management

PROJECTS

Swagger UI Petstore Server REST API | Java, Rest Assured, Swagger, Jenkins, JSON, TestNG   Github
- Created test scripts for REST API testing, performing CRUD operations.
- Demonstrated the ability to work with REST API's ensuring reliability through response validation and assertion handling.

Hybrid Mobile App Automation | Java, Appium & Inspector, Android Studio & SDK, TestNG   Github
- Developed automated tests for a Hybrid Application, including features like dropdown handling, user input and cart management.
- Automated actions such as scrolling, long press, swipe, and interaction with native Android components.

Watchify | React.js, Redux Toolkit, React Router, Tailwind CSS   Hosted Live
- Used YouTube APIs for video fetching, integrated iframes for playback, and added advanced search with real-time suggestions and debouncing, caching suggestions in Redux for faster retrieval.
- Implemented a live chat feature with API polling, n-level nested comments using mock data, and auto-removal of older comments to prevent app freezing, responsive across all devices.

Chatter | React js, React Bootstrap, Express js, Node js, MongoDB   Github
- Built a real-time chat application using the MERN stack, incorporating socket.io for live communication, with features like user authentication, one-on-one/group chats, and group management.
- Developed a modern user interface with React and React Bootstrap, and a robust backend with Express.js and MongoDB for a real-time chat application.