

Atul Rana

Automation Testing | API Testing | Performance Testing | Selenium | | Java | AWS Development

Professional Profile:

Full stack test automation developer with 4+ years of rich experience in diverse test automation including **UI Test Automation, DB Test Automation** and **SDET, Copado Mobile and Robotic Testing** roles. Experience in automating non-functional testing (**Performance Testing**) using **Postman** and **Newman**. Created the automated projects for **API Testing** using **REST Assured, Data Verification** and **Postman CLI**. Worked as **AWS Cloud Developer, Azure Devops** to dynamically orchestrate test databases. A result-oriented professional who is well-versed with various test automation design and architecture paradigms. Extensive experience working on Selenium and Java. Working Knowledge of SQL databases. Experience working in agile and scrum methodologies. Exposure to complete test automation lifecycle for multiple projects. Handled a team of 6 people.

- Expertise in designing end-to-end GUI automation frameworks using **Java, JavaScript, Cucumber, and Selenium, Copado**
- Exposure to complete test automation lifecycle for multiple projects.
- Implemented a tool to refresh QA Databases from prod databases in **AWS (Amazon Redshift, Amazon Aurora)**.
- Experience in **QA processes, test management, test execution, and progress reporting**.
- Working Knowledge of **SQL databases** and integrating **DB validations** in automated suites.
- Worked on developing API test automation frameworks and database validations in an automated manner.
- Involved in Agile process implementation and process improvements for testing practices.

Work Experience:

Avisoft

May 2020 – Present

Technical Skills:

Programming Languages:	Java, JavaScript
Test Automation Frameworks:	Selenium, Cucumber
Tools	CI/CD, Docker, Kubernetes
Cloud Technologies:	AWS, EC2, Amazon Redshift, Amazon Aurora, Azure Devops
API Testing:	REST Assured, Postman, Newman
Performance Testing:	JMeter, UIPath
Databases:	MySQL, AWS Arora, AWS Redshift
IDEs:	IntelliJ IDEA, Visual Studio
Code Versioning Tools:	GitLab
Testing Tools:	Jira

Major Projects:

1. **Project:** Spendgo
Technologies: Java, REST Assured, Selenium, Cucumber, MySQL, AWS Arora, AWS Redshift, Azure Devops, CI/CD
Role: API Testing, UI Test Automation, DB Test Automation

The Spendgo platform provides retail businesses tools and integrations to manage the offers and loyalty of their customers. It provides a mechanism to parse online receipt transactions, and campaign engines manage rewards points and offers, providing businesses with a holistic solution. The platform also provides businesses tools to create and manage marketing campaigns.

Project link: <https://www.spendgo.com/>

Responsibilities:

- Implemented automated test frameworks using **Java, Selenium, Copado Mobile Testing** and **Cucumber** for regression and integration testing.
- Implemented API automation component for the campaigns and reporting components using **REST Assured**.
- Created **test automation plans** and **strategies** as per **business priorities**.
- Worked on creating a Page Object Model for different pages of the application.
- Developed a module to automate the **Database** validations for **MySQL, AWS Arora, and AWS Redshift**.
- Analyze the issues found through automation, investigate the root cause and track them to closure.
- Created test cases and manually tested various workflows of the application.
- Collaborated with the QA team to analyze the reported bugs, investigate the root cause and fix the bugs.
- Created test cases and manually tested various workflows of the application.

2. **Project:** myDoctor
Technologies: Java, Selenium, Postman, Newman, JavaScript, CI/CD
Role: Automation Testing

'myDoctor' is an online doctor consultation portal. The portal acts as a mediator between the doctors and the patients. The system provides a mechanism for patients to seek online consultations from doctors without requiring them to visit a clinic/hospital. The 'myDoctor' portal enables healthcare service providers to operate in an affordable, efficient, and boundaryless ecosystem.

Project link: <http://my-doctors.net/>

Responsibilities:

- Collate the **automation priorities** from different stakeholders, draft them into an **automation plan**, work out milestones and report the progress to stakeholders.

- Implemented the test automation solution using **Java, Selenium, Copado** and **Cucumber**.
- Developed the API Testing framework for the application using **Postman, Newman**, and **JavaScript**.
- Worked on creating Page Object Model for different pages of the myDoctor application like patient profile, change password, reset password and doctor dashboard page, patient appointment page etc.
- Implemented API automated tests using Postman for various service operations such as doctor slots, reviews, appointments, ratings, patient profiles, and validating the password rules.

3. **Project:** Amala Earth
Technologies: Java, Selenium, Cucumber, JMeter
Role: Automation Testing

Amala Earth is an e-commerce marketplace that is themed around earth-friendly products. The applications have modules for all the e-commerce workflows viz. Inventory Management, Order Management, Customer History, Search, Marketing Promotions, Search Engine Optimization, Reporting etc.

Project link: <https://amala.earth/>

Responsibilities:

- Led the projects for **designing test automation frameworks**.
- Implemented automated tests for the application using **Java, Selenium, and Cucumber**.
- Load testing using **JMeter** to benchmark the concurrent users' load for the application.
- Created automated test suites based on functional requirements.
- Identified the critical user stories and automated the workflows for the same.
- Analyzed the nightly automated runs and root causes of the failures; logged bugs or updated automated scripts accordingly.