

Divyanshu Singh

✉ divyanshurajawat@gmail.com ☎ (+91) 8385827645 🌐 in/divyanshu-singh-profile/

SUMMARY

Experienced technical lead with 9 years of expertise in software analysis, design, architecture, and development. Proficient in creating automation frameworks with CI/CD process implementation and various testing methodologies. My objective is to deliver high-quality products that meet customer and stakeholder expectations, continually enhancing my skills and knowledge in the testing domain.

PROFESSIONAL SYNOPSIS

- Experience of testing different types of systems/software spanning from Virtualization systems, CRM systems, Fintech systems.
- Experience in a continuous delivery model, ensuring efficient testing processes aligned with rapid development cycles.
- Proficiency in developing scalable automated test suites using Selenium, Cucumber, TestNG, Maven, and Java.
- Experience in integrating CI/CD build processes, managing QA Environments using tools like Git, Jenkins, AWS.
- Experience in testing web applications, APIs/gRPCs and microservices, ensuring thorough testing of application interfaces.
- Strong skills in SQL, enabling effective database testing, data validation, and maintaining the integrity of data-driven applications.
- Strong debugging/troubleshooting skills and proficiency in conducting root cause analysis, leveraging log analysis techniques. Specialized in utilizing system logs, Kibana logs, and Elasticsearch to identify and resolve complex issues efficiently.
- Skilled in comprehensive test planning, accurate estimation, meticulous risk analysis, and systematic test case design to ensure thorough testing coverage.
- Experience in testing life cycle, test phases such as unit, integration, system, functional, non-functional, sanity, regression testing, user-acceptance testing.
- Experience in defining Test Automation roadmaps and setting up organizational-level, short-term and long-term Automation goals.
- Proficient in identifying, tracking, and analyzing test requirements to align testing efforts with project goals and objectives.
- In-depth understanding and application of various testing methodologies, including Kanban and Scrum, based on project requirements.
- Experience in understanding customer requirements and deriving test scenarios/conditions based on those requirements.
- Effective coordination with offshore testing resources demonstrating the ability to manage distributed teams and projects.
- Experience in team management, including task assignment, resource management, conducting code reviews, and facilitating knowledge transfer sessions. Proficient in fostering collaboration, ensuring efficient workflows, and promoting a cohesive team environment.
- Motivated to contribute both individually and as part of a team amidst rapidly changing priorities. Demonstrated ability to navigate change effectively and exercise sound judgment.
- Excellent analytical, organizational, and creative skills. Highly organized, motivated, self-starter, detail-oriented. Ability to learn new software techniques quickly.

EXPERIENCE

Technical Lead, QA

Paytm - Payments Gateway

June 2021 - Present, Noida

- Led the design and development of Java/Maven/TestNG based automation framework for backend testing scenarios, covering gRPCs/APIs, logs, databases, Kafka topics.
- Implemented code coverage tracking across frontend and backend using Istanbul (nyc interface) and Jacoco, ensuring overall code coverage above 80%.
- Collaborated with team in designing and development of automation reporting portal with historical reports, analysis and code coverage using MongoDB Atlas.
- Created Jenkins and ArgoCD pipelines to manage pods and automation suite executions within QA environments.
- Identified end-to-end test scenarios for automation tool evaluation, collaborating with subject matter experts and understanding third party components, custom build components, dependencies and technologies.
- Conducted technical and cost feasibility studies, requirement gathering and analysis.
- Mentored the team in utilizing the framework, maintaining quality standards in automation suites, and preparing user friendly documentation for the scripts.
- Provided technical guidance to the team, ensuring high code quality with >99% automation test results.
- Managed resource planning for sprints by coordinating with business stakeholders.
- Developed roadmaps and rollout plans to execute the automation and testing various features within the timelines.
- Collaborated with the development, product and testing team to implement quality processes across the organization.
- Involved in requirement analysis, designing test plans, identifying test conditions, designing test cases, reviewing test cases and executing test cases.
- Responsible for conducting interviews and hiring the suitable candidates.

Sr. Test Engineer

Comm100 Network Corporation

August 2020 – June 2021, Noida

- Involved in all the phases of the Test Software Development Life Cycle.
- Successfully implemented onsite-offshore Global Delivery Model for the bank portal project.
- Responsible for driving E2E Test scenarios efforts and identifying test data for UAT.
- Conducted end to end functional testing, Integration, System, Functional, Sanity testing and User Acceptance (UAT).
- Developed a BDD automation testing framework for a bank portal using Cucumber, TestNG, Maven, Selenium, and Java.
- Implemented Mockito for DB mocks and Klov/MongoDB reports for automation history tracking.
- Responsible for code-reviews and maintaining Git repositories.

Member of Technical Staff

BlueStack Systems Inc

August 2016 – August 2020, Gurgaon

- Involved in requirement analysis, designing test plans, identifying test conditions, designing test cases, reviewing test cases and executing test cases.
- Prepared traceability matrix between the Business requirements, use cases and functional specifications.
- Prepared release notes at the end of the build with the list of the defect summaries and executed test cases.
- Developed OpenCV-based Python sanity suite for new game releases on BlueStacks platform.
- Developed Python scripts for automated replies on customer support portal.
- Reported defects, tracked and generated reports.
- Researched and leveraged products such as Browserstack to increase testing coverage across multiple devices and also reduce the company's capital cost on physical devices.
- Coordinated across different geos worldwide for user specific requirements.
- Created SQL scripts on BigQuery for app-engine stats like user engagement, build status etc.

Test Engineer

Delvetech Software Pvt Ltd.

January 2015 – August 2016, Delhi

- Performed API automation and UI testing using Postman and Selenium webdriver for end-to-end functionalities of different modules.
- Utilized project management tools such as Jira, Git and Github to track and manage projects effectively, collaborating with the development team, stakeholders and other team members.
- Involved in the test process of requirement analysis, test planning, test data creation, test cases preparation, execution and defect tracking.

SKILLS

- **Programming Languages** – JAVA, Python
- **Defect Tracking Tools** – Jira, Trello, Azure Devops
- **CI/CD** – Jenkins, Argo CD, GIT
- **DevOps Tools** – Docker, Kubernetes, AWS
- **Database/Messaging System** – SQL, DynamoDB, Redis, Kafka, BigQuery
- **Monitoring Tools** – Kibana, Grafana
- **API Testing Tools** – Postman, Bloomrpc, Jmeter
- **Test Automation Tools** – TestNG, Selenium Webdriver, Rest Assured, Maven, Appium
- **OS** – Linux/iOS/Windows

EDUCATION

Bachelor of Technology in Computer Engineering

Rajasthan Technical University • 2014
