Varunkumar K

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varunkumar-k Portfolio

Summary

Results-driven Quality Engineer with 2.10 years of experience (including internship) in Manual and Automation Testing for large-scale e-commerce platforms. Strong expertise in Selenium WebDriver, Java, TestNG, BDD Cucumber, CI/CD pipelines, and Agile methodologies. Proven ability to reduce regression time, improve test coverage, and support high-impact releases through collaboration with cross-functional teams.

Skills

Programming Languages: Java, JavaScript, TypeScript

Automation & Testing Frameworks: Selenium WebDriver, Playwright, TestNG, Cucumber (BDD), Postman, JMeter

API & Performance Testing: REST API Testing, Postman, JMeter

CI/CD & Cloud: Jenkins, AWS, Octopus Deploy

Tools & Platforms: Jira, Confluence, Maven, Bitbucket, BrowserStack, VS Code, Git, Github

Test Types: Manual Testing, Automation Testing, Functional Testing, Regression Testing, Integration Testing, Performance Testing, Cross-Browser Testing, Smoke Testing, UAT

Methodologies: Agile, Scrum, BDD, TDD

Experience

Quality Engineer *Bangalore*
Cimpress India Private Limited *Aug 2023 – Present*

- Executed manual testing for web and mobile e-commerce applications, validating business-critical user journeys, checkout flows, and payment integrations.
- Designed, automated, and maintained UI test suites using **Selenium WebDriver with Java**, reducing regression execution time by **55%**.
- Developed and maintained modern automation test suites using **Playwright with Cucumber (BDD)** and **TypeScript**, improving test execution speed, reliability, and scalability.
- Implemented the **Page Object Model (POM)** framework to enhance automation reusability, readability, and long-term maintainability.
- Performed cross-browser and cross-device compatibility testing using **BrowserStack**, ensuring consistent user experience across Chrome, Firefox, Safari, Edge, and mobile devices.
- Designed and executed **API test cases** using **Postman** to validate RESTful services, request/response payloads, and HTTP status codes.
- Conducted **performance and load testing** for high-traffic e-commerce workflows using **JMeter**, identifying bottlenecks and validating system stability under peak load conditions.
- Built and executed automation smoke test suites integrated with **Jenkins CI pipelines**, reducing pre-release validation effort by **80%**.
- Configured **Extent Reports** for automated test reporting and integrated test results with **Email** and **Slack** notifications, improving test visibility and faster defect triage after every build.
- Created and maintained detailed test plans, test cases, and execution reports to ensure comprehensive functional, regression, and integration coverage.
- Collaborated closely with developers, product owners, and UX teams to identify defects early and align testing activities with sprint goals.
- Actively participated in Agile ceremonies including sprint planning, daily stand-ups, sprint reviews, and retrospectives.

Quality Engineer Intern *Bangalore*
Cimpress India Private Limited *Feb 2023 – July 2023*

- Created and maintained detailed test cases and test scripts for e-commerce web applications.
- Performed functional, regression, integration, and performance testing to ensure product stability and reliability.
- Logged, tracked, and verified defects using Jira, ensuring timely resolution and clear communication with development teams.
- Supported User Acceptance Testing (UAT) by validating business requirements in collaboration with stakeholders.

Accomplishments

Led Large-Scale Order Migration Automation Initiative

Led and executed QA automation efforts for migrating **16,000+ orders** to a new e-commerce platform by developing and running automation scripts, ensuring **high data accuracy**, **zero critical production defects**, and a seamless production rollout within tight delivery timelines.

Automated Test Reporting and CI/CD Notifications

Designed and implemented an end-to-end automated test reporting solution by integrating **Extent Reports** with **Jenkins CI pipelines**, along with automated **Email** and **Slack** notifications after every build. Improved test result visibility, accelerated defect triage, and enhanced team collaboration across QA, development, and product stakeholders.

Certifications & Training

- **ISTQB Foundation Level – Certification Preparation** (LinkedIn Learning)
- **AWS Certified Solutions Architect – Associate (SAA-C03) – Certification Preparation** (LinkedIn Learning)

Education

Saveetha Engineering College *Aug 2019 – May 2023*
B.E Computer Science and Engineering

- GPA: 8.2 / 10.0