Vaibhav Agrawal

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Summary

Highly skilled and experienced Lead Software Development Engineer in Test (SDET) with 13 years of hands-on experience in software quality assurance and test automation. Proven track record of leading and managing teams to deliver high-quality software products. Strong expertise in designing, developing, and implementing robust and scalable automation frameworks using industry-standard tools and technologies. Excellent problem-solving skills and a strong ability to analyze complex systems and processes. Adept at collaborating with cross-functional teams to ensure seamless integration of QA processes into the software development lifecycle.

Test Automation: Proficient in developing automated tests for web applications, APIs and other software using industry-standard frameworks and tools such as Rest-assured, Selenium, TestNG, Cucumber.
Programming: Strong programming skills in Java. Experience with object-oriented programming (OOP) concepts and design patterns.
Test Frameworks: Expertise in designing and implementing test frameworks from scratch, including data-driven and hybrid frameworks, for efficient and scalable test automation.
CI/CD and DevOps: Experience with continuous integration and continuous delivery (CI/CD) pipelines using tools like Jenkins, Git, and Docker. Knowledge of DevOps practices and methodologies.
Agile/Scrum: Strong understanding of Agile/Scrum methodologies and experience in working with Agile teams, including participation in sprint planning, backlog grooming, and sprint reviews.
Test Management: Proficient in test management tools such as JIRA for test planning, test case creation, test execution, and defect tracking.
Leadership: Proven leadership skills with experience in leading and mentoring QA teams, conducting code reviews, setting quality standards, and driving process improvements.

Overall IT Experience	13 Yrs	Software Development Engineer in Test (SDET) Rest API Automation Testing, UI Automation testing, Performance testing, manual testing and Web Development
Automation and Manual Testing Experience	10 Years	REST Web Services, Web Application
Web Development Experience	3 Years	HTML5, CSS3, Bootstrap, MSSQL
REST Web Services Automation	Rest Assured (Java), Parasoft SOATest, Postman Client	
Service Virtualization	Parasoft Virtualize, Postman Mock server	
UI Automation Testing Tools	Selenium WebDriver (Java), Cucumber, TestNG	
Performance Testing	Load runner, Jmeter, Performance Center	
Framework Experience	Data Driven and Hybrid	
Design Patterns	Page Object Model, Page Factory, Singleton	
Domains	Investment Banking, Banking & Finance, Ecommerce	
Methodologies	Agile – Scrum & Kanban, TDD	
Version Controlling Tools	GIT, Bitbucket, Tortoise SVN, Microsoft TFS, Source Tree	

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CI Tools	Jenkins, Bamboo
Build Tools	Maven
Code Quality/vulnerabilities	SonarQube, Veracode (security vulnerabilities)
Application/Infra monitoring	Splunk, Appdynamics (Learning phase)
Defect Tracking Tool	JIRA
Messaging Queue	RabbitMQ
Cloud	PCF (Pivotal Cloud Foundry), AWS (Learning phase)
Databases	NoSQL- MongoDB, AeroSpike, RDBMS- MSSQL, MySQL

Work Experience

Organization	Designation	Duration
Mphasis (Charles Schwab)	Module Lead	5.8 Year (August 2017)- (Till date)
EPAM Systems	Senior Software Test Automation Engineer	4.6 Years (Feb-2013) - (July 2017)
HSBC Software Development Pvt Ltd	Software Engineer	1 Year (Feb-2012) - (Jan-2013)
Tech Mahindra Pvt. Ltd	Technical Associate	1.9 Years (May-2010) - (Feb-2012)

Honors and Awards

Award	Organization	Designation	Duration
Kudos (Customer centricity)	Mphasis	Module Lead	Q2- 2023
Kudos (Can do attitude)	Mphasis	Module Lead	Q3- 2022
Summit Award	Mphasis	Module Lead	Q1 - 2021
Pat On Back	EPAM Systems	Automation Engineer	Q2 – 2016
Pat On Back	EPAM Systems	Consultant	Q3 – 2015
Special Recognition	EPAM Systems	Consultant	Q4 – 2014
Rising Star Award	EPAM Systems	Associate Consultant	Q4 – 2013

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Certifications

Certification
Certified Scrum Master (CSM)
Oracle Certified Professional, Java SE 6 Programmer (OCJP)

Academic Qualification

Examination	University /BOARD	YOP	Percentage
B.E. (Information Technology)	Rajiv Gandhi Technical University(MP) AICTE affiliated (India)	2009	75.34% (With HONORS)
Class 12th	MP BOARD (India)	2005	85.56%
Class 10th	MP BOARD (India)	2003	85.80%

Project Details

Project 1	Portfolio Connect Core Technologies		
Team Size	10	**Employer**	Mphasis
Duration	Aug-2017 Till Date	**Technologies**	Rest Assured (Java), Parasoft Virtualize, Postman client, Load runner, Jmeter, MongoDB, AeroSpike, RabbitMQ, Control-M, PCF, Appdynamics, Splunk
Domain	Capital Market	**Nature of Project**	Test Automation and Manual Testing

Contribution
- Led a team of 4 SDETs in designing and implementing an automated testing framework for complex Web application and Web services, resulting in a 45% reduction in regression testing time and improved product quality.
- Worked closely with cross-functional teams, including developers, product owners, and business stakeholders, to understand requirements, define test strategies, and ensure timely delivery of high-quality software products.
- Developed and executed comprehensive test plans, test cases, and test scripts for functional, regression, and performance testing of web applications and APIs.
- Implemented and maintained automated test suites using Rest Assured, Selenium, TestNG, and Java, resulting in improved test coverage and faster test execution.
- Mentored team members on test automation best practices, coding standards, and tools, and conducted regular code reviews to ensure quality and consistency of test code.
- Collaborated with DevOps team to integrate automated tests into the CI/CD pipeline, enabling continuous testing and faster feedback loop.

- Led root cause analysis (RCA) efforts for critical defects, identified process gaps, and implemented corrective actions to improve overall product quality.

Project 2 ERB			
Team Size	8	**Employer**	EPAM Systems
Duration	Apr 2016- July 2017	**Technologies**	Rest Assured, Postman Client, Selenium Webdriver (Java), Cucumber, TestNG, Maven, Jenkins, SVN, POM.
Domain	Chemical	**Nature of Project**	Test Automation and Manual Testing

Contribution
- Designed and developed an automated testing framework for a web application using Selenium Webdriver, Java, and TestNG, resulting in improved test coverage and reduced regression testing time by 30%.
- Worked closely with product managers, developers, and designers to understand requirements and ensure comprehensive testing of mobile applications on various devices and platforms.
- Developed and executed test plans, test cases, and test scripts for functional, usability, and performance testing of mobile applications.
- Conducted regular code reviews and provided feedback to team members to ensure adherence to coding standards and best practices.
- Collaborated with cross-functional teams to identify and resolve defects, including root cause analysis (RCA) and implementation of corrective actions.

Project 3 InsideEdge xAFT		Employer - EPAM Systems	
Team Size	7	**Client**	Multiple clients
Duration	Mar 2014 To Apr 2016	**Technologies**	Selenium Webdriver, Java, MySQL, SVN, API Testing, Rest Assured, UFT, ALM
Domain	BFS, Mortgage, Ecom	**Nature of Project**	Web Development and Test Automation

Contribution:
- UI development of script less automation tool InsideEdge xAFT.
- Develop automation scripts for defined manual test cases for different clients.
- Active Participation in sprint planning, backlog preparation, backlog Grooming, Daily Scrum call, retrospective meetings and client demo after completion of each sprint.