

VIPUL AGRAWAL
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Professional Experience

- 12+ years of experience in (SDET/QA) **Framework development in Automation Testing, API**, Functional, Devops and Application Testing (Web Applications).
- Past opportunities have allowed to build and deliver stellar custom solutions using Agile/Scrum and Waterfall methodologies. Trained, Coached and Mentored teams on Agile/Scrum methodologies.
- Worked on cloud technologies in day-to-day using **Azure and AWS** cloud providers, **Certified AWS Solutions Architect – Associate & Certified AWS Developer Associate**.
- Strong understanding of database technologies, software development, web-based application design, object-oriented programming, advanced mobile/app development and big data.
- Flexible work style according to project, team and company dynamics. Inspires high functioning teams as a lead and self-motivated as team player. Extremely passionate about emerging processes, tools and techniques and seeks to constantly innovate.
- Experience in Automation testing using Selenium **Web Driver, Cucumber/RC/IDE/GRID, JUnit, NUnit, TestNG, Jenkins, Maven, Gherkin, Ant, Jbehave, SOAP UI and HP Quality Center**.
- Exposure to all stages of SDLC (Software Development Life Cycle) and STLC.
- Expert to identify test cases to automate. Automate those test cases using Selenium RC, **TestNG** and Java (Eclipse IDE).
- Good Knowledge in understanding code developed in languages like Java, C various front-end design coding like HTML, CSS, and JavaScript.
- Extensive knowledge in Visual Studio ASP **.NET C#**, to test with Confidential Multi Tester Framework.
- Expert to develop tools to automate some base tasks using **python**, Shell scripting and XML.
- Experience in back-end testing by developing and executing SQL Queries for data validation and verification.
- Excellent knowledge to perform API Testing using Cypress Automation and Postman.
- Experienced in manual testing and automate SOAP and RESTful Web Services using SoapUI, Apache Http Client, and REST Assured.
- Experienced in designing Page Object Model (POM) and TestNg based automation framework using Selenium WebDriver, Java, and TestNG.
- Hands-on experience in using test management and defect tracking tools such as Jira, Bugzilla, HP Quality Center, MS Excel, PowerPoint and Confluence.
- Expert to design and deploy build pipelines using Ansible, Kubernetes, Vagrant, Docker, and Jenkins on **AWS**, GCE and Azure cloud providers.
- Experience in setting up test environment for automated script execution using Java, Appium and TestNG.
- Excellent experience to build CI/CD pipelines using Git and Azure Devops, collaborate with Development and QA teams to integrate automated tests into the CI/CD pipelines.
- Extensive experience working with Waterfall/V Model and Agile Methodology.
- Good knowledge to develop the **UAT** Test cases and executed them with the flow of the Project.
- Hands on experience in test driven development (**TDD**), Behavior driven development (**BDD**) and acceptance test driven development (ATDD) approaches.
- Extensive experience in scripting languages **HTTP, HTML, XML, JSON, JavaScript, jQuery** and JMeter etc.
- Web development using **HTML, HTML5, CSS, JavaScript, AJAX, LINUX**, PHP, and Ruby on Rails.
- Experience with Medicare and Medicaid: Claims processing, Medicaid billing, Membership, and Eligibility Verification and Care management.
- Extensive experience to develop QTP/UFT scripts with object model and description programming, and handled dynamic objects using VB-script and regular expression in **QTP/UFT**.
- Experience with source version control tools such as Subversion (SVN), TFS, Git and Bitbucket.
- Have an experience to perform automation testing using **TestNG, Maven, GitHub** and Jenkins.
- Good experience with TypeScript programming language for scripting along with Visual Studio Code.
- Expertise in Business Modeling and UML Diagrams (Use Case Diagrams, Activity Diagrams, Sequence Diagrams) using MS Visio and Rational Rose.
- Good knowledge with Excel for developing Requirements Traceability Matrix (RTM) and Capturing and Updating Change Requests.
- Expertise in implementing different data modeling techniques in Cassandra.

- Extensive experience to combined Protractor with powerful tools and technologies such as NodeJS, Selenium, WebDriver, Jasmine, **Cucumber** and Mocha.

Technical Exposure

Domain	Investment Banking, Insurance, E-Commerce. (Capital Markets, Trade Lifecycle and Financial products)
Languages	Typescript (TS), Core Java, VB Scripting, Python (exposure).
Automation Tools	Protractor, Selenium web-driver, QTP/UFT, Mobile automation (Perfecto).
Operating System	Windows Server 2008 R2, Windows XP, Vista, Window 7, Unix
Defect Tracking Tool	Azure, JIRA, QC, CDETS.
Documentation	Reviewing and Writing Test cases, Test Plan documents

Professional Summary

Skills	Tools
<p>Worked in Agile and Waterfall methodologies</p> <p>Automating Web based, DB and Backend multi-tier application (Rewarded for excellence in automation in Tesco)</p> <p>Experienced in working cross geography on Onsite individual contributor in Tesco-UK.</p> <p>Experience in Functional Testing, Regression Testing, Requirements based testing etc.</p> <p>Involved in testing of Client Server, GUI applications and Web Applications</p> <p>Worked on all phases of STLC – From Preparing Test Plans, Designing Tests, execution of scripts, tracking the defects, reviewing documents and release Test exit Rep ort</p>	<p># Cucumber –Protractor, WDIO (Webdriver IO) Typescript, feature file creation</p> <p># Selenium web driver, Java, Junit</p> <p># API testing using request/axios module in typescript</p> <p># QTP and VB</p> <p># Cloud – Azure and AWS for infrastructure and project management</p>

S&P Global Dallas/Tx

July-2019 to till date.

Sr. Software Engineer (SDET/QA)

Project: Next Gen Compliance (Compliance Platform for CLOs)

Description: ‘Compliance’ is an enterprise order management and portfolio modeling system that brings transparency to the detailed cash flows that compose each investment.

Responsibilities

- Developed and maintained custom libraries for framework and automated the UI tests using Cypress (in TypeScript), Mocha, and Chai for regression, and E2E suites in a node environment
- Lead the team of 7 members for QA deliverables for the project
- Creating end to end testing framework based on protractor, **cucumber** and typescript.
- Writing the test scripts for the regression scenarios.
- Jenkins setup for scheduled test regression run.
- configured Selenium WebDriver, TestNG, Maven tool and created
- selenium automation scripts in java using TestNG prior to agile release.
- Worked with Behavior Driven Development (**BDD**) process and
- Test-Driven Development (**TDD**).
- Created automation test scripts using data Driven framework and Page
- Factory model to test the web applications using Selenium WebDriver with JAVA and maven.
- Developed and tested Apache JMeter Java Request Sampler Plugins
- Extensions using methods inside of Linux Desktop Testing Project
- (LDTP) Java libraries for Graphical User Interface (GUI) Automation Testing
- Worked on release and deployment. Architected and developed automation framework from scratch in TypeScript using Selenium, Chai, Mocha, and Page Object Model and coded the UI tests for smoke, regression, E2E, and release suites
- Architected and developed the framework and tests for REST API using Super Test in TypeScript
- Developed framework and web UI automated tests using Cypress in TypeScript in a node environment

- Improved the product quality by 65% by establishing CI/CD, efficient processes, workflows, and communication for a distributed team for all phases of SDLC, STLC, and Bug Life Cycle

Automation Tool: Protractor, **Cucumber**, framework creation, Typescript, API Testing Defect Tracking Tool : Qtest

Société Générale GSC (Investment bank) Pvt. Ltd.
Specialist Test Engineer India

Oct-2016 to Jul-19

Description: **Société Générale** is global investment bank. In India, it has captive unit which takes care of middle and back office. CBR project is responsible for reporting to different central banks and regulators. I was responsible for automating different project like Volcker, HRF, J3R for db and gui based scenarios using **cucumber**, java.

Responsibilities

- Thoroughly understanding the Functional requirement and Test scenarios.
- Writing the test scripts for the regression scenarios.
- Creating the object repository for the applications involved.
- Involved in Defect Tracking, Reporting Defects and coordination with the development team to fix those bug
- Responsible for creating and maintaining automation acceptance test suite using Selenium, Ruby and **Cucumber**. Created API automation test scripts using Postman API and Java Script / Newman command-line collection runner.
- Involved in Jenkins CI/CD integration and configuration of selenium
- Unit and Postman /Newman for scheduled jobs.
- Developed automation framework using Selenium, **Cucumber**, Maven and TestNG with Java; Para soft SOA, Restful API and Postman in QA Automation tools Discovery.
- Developed and executed test plans, test cases and test matrices utilizing QA best practices and standards. Involved in designing and implementing of hybrid automation framework to be used with Selenium Web Driver.
- Developed User Design, develop and automate GUI, functional and API test using Selenium WebDriver (**Python**, PyTest, GitHub, XPATH, CSS, HTML, JSON) Use Selenium Web driver, **Python**, PyUnit, Unix for automating the functional tests and Jmeter for performance tests.
- Utilize PyUnit, the **Python** unit test framework, for all **Python** applications. Automated Smoke & Functional test cases using Selenium WebDriver, unittest/pytest/Robot & **Python** (Visual studio IDE and Ride IDE).
- Developed unit test for each new feature implemented using Mocha and Chai testing tools.

Operating System : Windows XP/Vista
 Automation Tool : Selenium web-driver, Protractor
 Defect Tracking Tool : JIRA

TESCO HSC India
Senior Software Engineer (QA)

April-2014 to Sept-2016

Description: Worked as a **Senior Software Engineer** in the Current Project. The AUT is www.tesco.com/direct website build on **ATG platform**. The end to end systems included PIM, BCC and website. Had experience to work in cross geography (in UK) and worked across different teams.

Responsibilities

- Thoroughly understanding the AUT (Application Under Test)
- Responsible for issues and concerns regarding manual and automation testing.
- Application Analysis, Automation Estimation scripting, manual/functional testing raising defect and tracking.
- Participated in Requirement Analysis/Gathering with the development team and the client. Participated in UI Design review meetings.
- Followed Agile methodologies for Development and QA cycles.
- Performed Manual testing using written test cases based on User Stories (Agile).
- Developed Automation framework using Selenium WebDriver.
- Performed manual testing (unit/integration/system/functional/exploratory/cross-browser) using written test cases based on User Stories (Agile).
- Carried out browser compatibility testing using Web driver. Performed Mobile testing on Android/IOS devices using various browser platforms.

- Implemented Keyword Driven automation testing framework utilizing Java, Maven, TestNG and Selenium WebDriver.
- Good experience in testing both SOAP and REST services using SOAP UI Rest Assured and Tested both XML and JSON formats.
- Performed Regression testing on new builds, every modification in the application using Selenium Web driver. Used JMeter for web services-based performance testing
- Worked in Agile environment and participated in Scrum and Sprint planning meetings and Identified dependencies and risks to perform QA tasks.
- Worked on WebDriverIO (NodeJS version of selenium WebDriver) POC and later successfully Worked on POC to use WebDriverIO, mocha framework with chai assertions to replace Selenium WebDriver tests. implemented to replace Java WebDriver test scripts. Extensively used bug reporting tool JIRA to track the QA activities.
- Created test cases in HP ALM based on the requirements and executed them prior to release. Tested web-based applications on various operating systems and different browsers. Performed Regression, User Acceptance
- Testing after the defects have been fixed, to ensure no further effect on other functionalities.

Environment: Agile, Manual, UAT, Selenium WebDriver, WebDriver.io, JAVA, MAVEN, TESTNG, SOAP, Android and IOS mobile Testing, JMeter, REST API, JIRA, HP ALM.

Operating System : Windows 7
Automation Tool : Selenium web-driver and exposure to **cucumber**
Defect Tracking Tool : Jira (used as scrum management tool and tracking tool)

Wipro Technologies **Project Engineer-QA**

March-2011 to April-2014.

Description: I worked as a **Software Engineer-Test Automation**. The AUT is Siebel CRM. The **Siebel CRM Application** is connected with Mainframes (Polisy-400) through Middleware (Cordis) then is connected to Oracle database.

Responsibilities:

- Thoroughly understanding the AUT (Application Under Test). **Implementing** the **Automation** completely including Hybrid Framework designing, creating and executing automation scripts and customized reporting.
- Responsible for all issues and concerns regarding automation.
- Setting up of test environments, designing test plans, developing test cases/scenarios/use cases, and executing these cases.
- Test and evaluate new and existing programs to identify and help remove bugs, glitches, and other user experience issues.
- Testing all aspects of the product/system like function/component, system, performance, regression and service.
- Troubleshoot a very basic issue like password reset, software installation/uninstallation/reinstallation.
- Work with development team to identify and capture test cases, ensure version management.
- Providing feedback on usability and serviceability, trace the result to quality risk and report it to concerned people.

Operating System : Windows Server 2008 R2
Tools : UFT (QTP 11.5), Quality Center (11.5)

Educational Qualifications

Bachelor of Engineering with First class from Amity University, Noida 2010

Certification

AWS

Solution Architect/Associate
Developer Associate

Languages

English, Hindi and German

VIPUL AGRAWAL

- Frisco, TX, US

Contact Information

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- 9452418778

Work History

Total Work Experience: 12 years

- **Senior Sdet S&P Global**
Jul 01, 2019
- **Specialist Test Engineer Societe Generale GSC (Investment Bank) Pvt. Ltd**
Oct 01, 2016
- **Senior Software Engineer TESCO HSC**
Apr 01, 2014
- **Project Engineer Wipro Technologies**
Mar 01, 2011

Education

- **Bachelors** | Amity University

Skills

- **api** - 8 years
- **gui** - 7 years
- **java** - 7 years

- **typescript** - 4 years
- **aws** - 3 years
- **azure devops** - 3 years
- **lambda** - 3 years
- **software development** - 3 years
- **azure cloud** - 3 years
- **automated testing** - 11 years
- **qa** - 11 years
- **selenium** - 8 years
- **automation** - 7 years
- **cucumber** - 7 years
- **framework** - 7 years
- **operating systems** - 7 years
- **regression analysis** - 7 years
- **scripting** - 7 years
- **software** - 7 years
- **test cases** - 7 years
- **reporting** - 6 years
- **test plans** - 6 years
- **functional testing** - 5 years
- **apache jmeter** - 4 years
- **defect tracking** - 4 years
- **jira** - 4 years
- **performance testing** - 4 years
- **selenium webdriver** - 4 years
- **test scripts** - 4 years
- **testng** - 4 years
- **aut** - 4 years

Work Preferences

- Likely to Switch: True
- Willing to Relocate: True
- Travel Preference: 100%
- Work Authorization:
 - US
- Work Documents:
 - Have H1 Visa
- Desired Salary: 150,000+ (USD)
- Security Clearance: True
- Third Party: False
- Employment Type:

- Full-time

Profile Sources

- linkedin: <https://www.linkedin.com/in/vipul-agrawal-3898a119>
- github: <https://github.com/organizeurself>
- Dice:
<https://www.dice.com/employer/talent/profile/1c0c82a7f397334505b41024cb6056d9>