

Principle SDET | Automation Engineer | DevOps Engineer

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SUMMARY

Principal SDET with 12 years of experience focusing on scalable Test Automation frameworks and solutions, Continuous Integration and Continuous Validation, Product Quality and an advocate of Shift left policy. Offering skills in *Test Automation, API automation, Selenium, KarateAPI, UFT, Java, Junit, TestNG, Page Object model, Page Factory, BDD, Maven, Postman, Docker, K8's, Terraform, Agile processes*.

- Over 12+ years of experience in Software Testing, Automation testing, Web, API & Application Testing with the merit of executing prestigious projects in Insurance, Health Care and Broadcast domain
- Having 5 years of experience in QA and automation team management on estimation, planning, allocation and tracking
- Having 3 years of experience in DevOps tools & Cloud Platforms like Git, SVN, Maven, Jenkins, Docker, K8's, Datadogs, Dynatrace, Terraform, AWS CodeCommit, CodeBuild, CodeDeploy, CodePipeline, EC2, RDB, Cloud front, API Gateways, and other service.
- Expert in developing automation frameworks using Java, Selenium Webdriver, Cucumber, TOSCA, testNG & KarateAPI.
- Expertise in testing SOAP and REST web services using Postman, SoapUI and automated in Karate API using Java and TestNG.
- Expertise in Tosca automation tool and created numerous test scripts and maintain the tools, license, server, DEX, TDS for multiple projects as infra engineer.
- Developed multiple frameworks like Page Object, Page Factory, BDD, Junit & TestNG.
- Working experience in BDD frameworks such as Cucumber which are using gherkin format.
- Experience in Website design using SpringBoot (REST API) and NodeJS, Express and Pub
- Setup Continuous Integration and Continuous Validation (CI/CV) pipelines for multiple Progress components (Jenkins) and automated the Docker component and image creation.
- Migrated UFT tests to Selenium/Tosca for one of progress products and improved on code coverage.
- Created a Security dashboard - one stop solution for all scans (SonarQube)
- Experience in monitoring tool like AWS CloudWatch, Datadogs & Dynatrace (Used to Host, monitor Service, Docker, K8's, Microservice)
- Experience in tools like Jira and ALM to manage Projects and bug tracking.
- Experience in Test planning and Test strategy creation for key features.
- Represented Testing Team in Defect Triage Calls, kept up-to-date defect status on tracking tool & collated defect report.
- Resourceful in analyzing test requirements, tracking changes, writing test cases, designing, and automating scripts.
- Experience in Agile Testing with extensive knowledge of Agile Software Testing and Development Lifecycle

Education:

- 2006 – 2010 - Bachelor of Engineering in Computer Science & Engineering | Anna University | Chennai, India

Summary of Experience:

- Working as **Principle SDET** (Delivery Module Lead) in Mphasis Corporation, New Jersey, USA since Feb 2022 to till date.
- Work as **Senior SDET** (Delivery Module Lead) in Mphasis Technologies, Chennai since Dec 2018 to Jan 2022
- Worked as **Senior Software Engineer** in Wipro Technologies, Chennai, India since Sep 2016 to Dec 2018
- Worked as **Senior Test Engineer** in Cognizant Technology Solutions, Chennai, India since Dec 2010 to Sep 2016

Certifications:

- Tricentis Tosca certified X 6** - AS1, AS2, TC1, TC2, AE1, AE2 and (TA1) Tosca Test Architect certified.
- AWS Well-architected framework**, Amazon Web Service center
- DevOps Engineer Professional Certification Preparation for AWS**, QAcloudacademy.com
- DevOps Automation** for AWS Deployment, acloudGuru.com
- Deploying to AWS with **Terraform** and **Ansible**, acloudGuru.com
- AWS Cloud Formation**, acloudGuru.com
- ISTQB (International Software Testing Qualification Board) Certified in **Software Testing** - Foundation Level
- Completed **Software Testing** (Manual & Automation) in STC technology (Corporate Training)
- Completed **Core Java & J2EE** Certificate in Web Component Development using Java technologies in NIIT

Skills:

Automation tools/Lib	Selenium, KarateAPI, JUnit, TestNG, Cucumber, Page Object, Page Factory, Postman, Tosca
Framework	Hybrid, BDD Cucumber, Data, KarateAPI, TestNG framework
DevOps Tool	GIT, SVN, Jenkins, Docker, Kubernetes, Terraform, Datadogs, Dynatrace
Languages/Scripts	Java, MySQL, VBA Scripting, Groovy and NodeJS
Testing and Project Management	Jira, HP Quality Center, Git, SVN
Build, CI/CV tools	Jenkins, Maven, Gradle, Ant, K8's
Infrastructure As Code/Containers	Docker, Terraform, Ansible
CI/Cloud Technologies	Jenkins, AWS Code Pipeline, AWS Code Star, AWS Code Deploy, Cloud formation, API Gateway, Route 53, RDS
Operating Systems	Windows, Linux (Ubuntu)

PROJECTS:

Mphasis Corporation (QBE Insurance) *Principal SDET*

Feb 2022 - Present

New York, USA

QBE insurance

Application: Claimcenter10(Cloud), Majesco PAS, Billing, WC Portal, PrimaXL, PDI

Responsibilities:

- Works in Agile methodology & In-Sprint automation
- Develop Automation scripts using Selenium, SmartBear, Java scripts and Execute the Test Cases for Web and Mobile applications.
- Design/Architect test automation framework and develop the new test automation framework & libraries; Tool – Selenium, TOSCA, API tool, Frameworks.
- Proficient in framework modifications, customization, and migration from one technology to other (UFT to Selenium or Selenium to TOSCA)
- Developing Test approach/Strategy & Prepare Test Plan and Estimation
- Co-ordinate with client on blue printing sessions, requirement gathering, automation framework customization and project automation.
- Developing Test approach/Strategy & Prepare Test Plan, Estimation, and review with client for automation.
- Providing Test strategy, Test Plan and Test case walkthrough to client to make sure that the test case coverage is exhaustive and covers all the requirements.
- Actively participate in resolving issues/roadblocks to executing testing projects
- Evaluating client automations needs, selecting automation tools and building Solutions that fits client requirements.
- Test Environment set-up/management, monitoring and streamline release management to QA Environments

Skills: Selenium, Java, KarateAPI, Tosca, BDD Cucumber, TestNG, Maven, Jenkins Postman, Docker, Terraform, Dynatrace

Mphasis Ltd (QBE Insurance) Senior SDET

Chennai, India

Dec 2018 – Feb 2022

QBE insurance

Application: Claimcenter10(Cloud), Majesco PAS, Billing, WC, Portal, PrimaXL, PDI

Responsibilities:

- Responsible for quality and product delivery
- Lead team in efforts to move all the testing to shift left
- Works in Agile methodology & In-Sprint automation
- Developing Test approach/Strategy & Prepare Test Plan and Estimation
- Providing Test strategy, Test Plan and Test case walkthrough to client to make sure that the test case coverage is exhaustive and covers all the requirements
- Actively participate in resolving issues/roadblocks to executing testing projects
- Test execution using Test Management Tools – HP ALM, Jira Xray
- Design/Architect test automation framework and develop the new test automation framework & libraries; Tool – Selenium, TOSCA, API tool, Frameworks
- Automate the Test Data Management for Policy Admin System (PAS) and Guidewire ClaimCenter contract booking using Automation tools
- Identifying the Automation scope within the project and propose feasible automation solution
- Works in Agile methodology & In-Sprint automation
- Evaluating client automations needs, selecting automation tools and building Solutions that fits client requirements
- Test Environment set-up/management, monitoring and streamline release management to QA Environments

- Build and configure new interfaces to support automation testing activities
- Implemented Process for better Code Standards such as effective xpath identification etc.
- Innovate new tools and accelerator to reduce manual effort
- Encourage/mentor team members to mention innovative ideas, tools, and innovations.
- Chatbot creations using ALICE engine, AXML & Vaadin Java framework

Skills: Selenium, Java, KarateAPI, Tosca, BDD Cucumber, TestNG, Maven, Jenkins Postman, Docker, Terraform, Dynatrace

Wipro Limited (HPS insurance company) *Senior Automation Engineer* Chennai, India

Sep 2017 – Dec 2018

HealthPlan Service insurance company

Responsibilities:

- Monitoring testing activities to ensure the quality and functionality of assigned systems, ensuring timely and accurate test communication with Development Leads and Project Managers throughout the project life cycle
- Ensuring the delivery of quality product releases on schedule using test automation and improvement initiatives
- Performing Functional Testing, Regression Test Automation and Defect Tracking
- Working with the Development Team to understand modules/new product features for the purpose of creating manual & automating test cases for web applications
- Interfacing with Business Analysts and Developers regarding quality confidence status and defect tracking to ensure smooth deliveries
- Analyzing formal automation test results to discover and report any defects, bugs, errors, configuration issues, and interoperability flaws, ensuring adherence to quality norms throughout the automation process.
- Executing test strategies to ensure quality service pack releases, ensuring proper functionality and performance of a wide variety of applications and platforms
- Take responsibility to Automated the projects in pipeline within the timeline
- RACI, Estimation Template Design, SharePoint Structuring/Maintenance
- Daily Stand-up meeting arrangements, discuss the issues/challenges and brought down the solution for the same
- White board initiative for Project Task allocation, Tracking, Leave tracking, project status and project in line, release details
- Initially designed Data Driven Framework using POM for Storm Application
- Data setup framework using Java, VBS, TestNG, Maven and Jenkins
- REST API Spring framework for REST API Testing of another project
- Designed and developed Fully automated Automation Dashboard in Excel using VBA/VBS

Skills: AssureNxt Framework-Hybrid, Selenium WebDriver, Maven, Jenkins, REST in Java, Excel Macros, VBA/VBS, RTC – Defect Mgmt. Tool, Tortoise SVN, SVN Subversion

Wipro Limited (Apple Inc. (AOS)) *Senior Automation Engineer*
India

Chennai,

Sep 2016 – Sep 2017

Apple is client and apple.com is the client

Responsibilities:

- Responsible for quality and product delivery
- Coordinating with Stockholders to get the business requirement
- Take responsibility to Automated the projects in pipeline within the timeline

- Lead the team for the project Migration, DSR, WSR and TSR has been shared
- White board initiative for Project Task allocation, Tracking, Leave tracking, project status and project in line, release details
- Project related Documents, Artifacts, Test case, Test Script Details are maintained in centralized share path and MS SharePoint
- Initially designed Data Driven Framework using POM for Storm Application
- Data setup framework using Java, VBS, TestNG, Maven and Jenkins
- REST API Spring framework for REST API Testing of another project
- Designed and developed Fully automated Automation Dashboard in Excel using VBA/VBS

Skills: Selenium, Jenkins, Sheriff, Nemo, Metadata Central, Assortment Central, Operational Manager, PIM, CTO, Apple online store application, Radar, Charles Proxy

Cognizant Tech Solution (Imagine Corporation) *Senior Test Engineer* Chennai, India

Dec 2010 – Sep 2016

Imagine Corporation

Responsibilities:

- Developed and executed comprehensive test plans assuring the overall quality of the project, including functionality, and Regression items
- Develop/Maintain Selenium WebDriver and other wrapper methods to enhance the existing framework
- Involved in design and implementation of Selenium WebDriver – Page Object Module automation framework for smoke and regression test suites with help of TestNG.
- Configured Selenium WebDriver & POI and created selenium automation scripts in java.
- Knowledge on AutoIT for basic window operations
- Execute selenium scripts and analyzing the test reports (Excel) and used Log4j reports for logging report
- Train the new joiners to the framework, and help them understand the framework quick
- SOA testing using Soap UI tool
- Designed/Maintain the SOAP and REST automation script using Groovy script.
- Planning, L0 & L1 effort calculations of enhancements, allocating, monitoring, mentoring the team members, maintaining the data sheet for resources, and ranking the resources.
- Highlight the progress & milestones achieved by the Test team
- Meticulous Requirement analysis and communicating requirement level defects
- Testing of the product includes Integration testing, System Testing and Regression testing
- Prepared Test plan, Execution report
- Performed impact analysis and identified Regression candidates in each release
- Identify and propose areas of improvement throughout the software testing process
- Coordinated with developers and system engineers to fix application defects
- Working close with the management team with helpful tools for training newcomers
- Identifying innovative work ways thereby reducing turnaround time and other management process
- Prepared DII decks (Delivery Improvement Initiatives), KPI post release, WSR, MSR and TSR.
- Worked in Cloud environment migration proposal of Landmark Application

Skills: Web Driver - Java | Soup UI –SOA Testing | Quality Centre, VBA (Macro), PL/SQL Developer, Unicode SQL Explorer/ISQL, MR Tracker