



## KANNAN MUTHU MANICKAM

Full Stack - QA/TEST AUTOMATION ENGINEER |  
Software Development Engineer in Test (SDET)

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### Professional Summary & Highlights

- A highly capable Technology Professional who enjoys synergies of proving concepts, teamwork/collaboration, has around **10+ Years of Software Testing experience as a QA - Test Automation Engineer (Full stack)** and is involved in various testing types like **FT, ST, SIT, E2E, UAT, API, DB, UX, CBT, Mobile/Desktop - Apps, Unit (Jest) & Contract**.
- Excellent creative and innovative problem-solving skills, analytical/logical thinking & never-settled attitude, having high confidence in self-motivating & self-learning the newer technologies towards career growth and Business improvements.
- Excellent communications with Scrum Master/Engineering Manager, Product Owner, Business Analyst, Tech Lead, and Developers for planning & delivering user stories based on the Definition of Ready (**DOR**) & Definition of Done (**DOD**).
- **Key member** contribution in **3-Amigo's** sessions, all **Sprint ceremonies** like Daily Standup, Sprint Refinement & Poker, Sprint Planning, Sprint Review & Demo, Sprint Retrospective, Sprint – zero and received many Sprint Champion awards.
- Active participant in demoing the applications to the Key stakeholders and getting feedback for improvement.
- Expertise in building the Test Automation framework from Scratch depends on the Business Applications for testing the functionality via **UI, Mobile & and API** using **Playwright, Cypress.io, WebDriverIO and Appium with JS/TS**.
- Expertise in writing easily maintainable test codes by following the standard coding structure and design pattern like **Page Object Modal (UI)**, and reusable helper functions for connecting **API, DB, and AWS** for easy readability.
- Expertise in building the **CI/CD test pipelines** using **GitHub Actions** to run Sanity Test for every PR, Smoke test after deployment & scheduled cron-job for Regression test also sending the results to the team via **Slack** notifications.
- Very Good Knowledge in running Web/Mobile Tests using cloud platform tools like **Browser Stack and Sauce Labs**.
- Very Good in maintaining a large number of test repositories in **GitHub/Bitbucket** and code base.
- Very Good in running the automated tests via **Docker** container, if the **CI/CD** platform doesn't have proper infrastructure built.
- Very Good at reviewing peer member test automation code **PR** (pull request) and resolving code merge conflicts.
- Very Good at building the Test Automation framework using **Selenium WebDriver (Cucumber - Java and Specflow - C#)**.
- Very Good at writing **BDD** based test scenarios, **REST API** tests using **Postman** and **Webservices** tests using **SOAPUI**.
- Very Good at handling **JIRA, Confluence, and X-Ray** tools for documenting the testing-related documents.
- Very Good knowledge in **SDLC, STLC** process and handling **Defect Triage** meet.
- Good knowledge in including **data-testid** attributes and able to fix minor UI(Frontend) bugs in src (**React.js/Next JS**).
- Good in mentoring the testing process and automation test techniques to Junior team members/Co-workers.
- Having a positive attitude in working under pressure/deadline and can have the ability to handle small QA teams.

### Work Experience Summary

| Organization              | Client          | Work Location  | Designation/Role                | Period               |
|---------------------------|-----------------|----------------|---------------------------------|----------------------|
| Matches Fashion Limited   | Matches, UK     | London, UK     | Senior Test Automation Engineer | Mar 2020 -> Present  |
| Publicis Sapient Limited  | Nationwide, UK  | Swindon, UK    | Test Automation Specialist      | Jan 2019 -> Feb 2020 |
| Renault Nissan Technology | Renault, France | Chennai, India | Senior Engineer – Test          | Oct 2017 -> Sep 2018 |
| SQS India BFSI Limited    | Hiscox, UK      | Chennai, India | Test Automation Engineer        | Oct 2016 -> Oct 2017 |
| SQS BFSI UK Limited       | Hiscox, UK      | London, UK     | Test Automation Engineer        | Feb 2016 -> Oct 2016 |
| SQS India BFSI Limited    | Hiscox, UK      | Chennai, India | Junior Test Automation Engineer | Jan 2014 -> Feb 2016 |

### Technical Skills and Tools Worked

|   |   |
|---|---|
| Automation Test Tools Web                   | : Playwright, Cypress, WebdriverIO & Selenium.                        |
| Automation Test Tools Mobile                | : WebDriverIO (Appium for Android and IOS apps).                      |
| Automation Test Development Languages       | : JavaScript, TypeScript, Java, C#, and Python (Basics).              |
| Automation Test Framework Pattern           | : BDD-Gherkin-Cucumber/Specflow – Page Object Modal, (describe-it)    |
| Automation Cloud Web & Mobile Testing tools | : Browser Stack, Sauce Labs.  |
| Automation Test Report Notification tools   | : Slack, Microsoft Teams.   |
| API Automation Testing Packages             | : SuperTest, Newman, Axios, Rest-Assured & Rest-Sharp.                |
| API Testing Tools                           | : Postman (RESTful) & Soap UI (Web services).                         |
| CI/CD Tools                                 | : GitHub Actions, Azure Devops, Jenkins & Atlassian Bamboo.           |
| Version Control & Source Code Repository    | : GIT & GitHub & Atlassian Bitbucket.                                 |
| Database Tools                              | : MongoDB, Microsoft SQL Server, Oracle & MySQL.                      |
| Test Management Tool & Documentation        | : Atlassian JIRA, Confluence.   |
| Test case repository Maintenance tool       | : X-Ray & HP-ALM.   |
| Platform & Cloud Service                    | : Docker & AWS, Azure (Basics).                                       |
| Development IDE                             | : Microsoft - Visual Studio Code/Visual Studio, Jet Brains & Eclipse. |
| Operating Systems                           | : Mac, Windows and Linux for CI/CD.                                   |

### Educational Qualifications & Certifications

- Master of Computer Applications (**MCA**), Hindustan University, Chennai, India.
- Bachelor of Science (**BSC**) in Mathematics, University of Madras, Chennai, India.
- **ISTQB® Certified Tester**, Foundation Level, iSQI, GmbH, Germany.

### Business Domains Worked

- **E-Commerce** (Online Retail)
- **Banking** (Credit Card & Card Control)
- **General Insurance** (Home & Business)
- **Logistics** (Supply Chain)

## **Projects Worked @ MATCHES FASHION as Senior Test Automation Engineer**

### **PROJECTS # FROM MAR 2020 TO PRESENT**

|                        |   |
|------------------------|---|
| Project Name           | : Business Tech – Apps.   |
| Client location        | : Matches Fashion Limited, London, United Kingdom.  |
| Work location          | : Matches Fashion Limited, London, United Kingdom/Hybrid.   |
| Domain                 | : E-commerce (Online Retailer).   |
| SDLC                   | : Agile/Kanban Methodology.   |
| Testing types involved | : System Testing, SIT, Regression, Automation Testing, DB, API (RESTful, GraphQL & Webservices).          |
| Automation Test tools  | : Playwright/Cypress/Webdriver-IO (JS/TS), GitHub Actions, Docker.  |
| Project Description    | : Complete Business Product Life cycle apps for back-office use to handle before and after sales process. |

## **Projects Worked @ PUBLICIS SAPIENT as Test Automation Specialist**

### **PROJECT #2 FROM MAR 2019 TO FEB 2020**

|                        |  |
|------------------------|--|
| Project Name           | : Member Credit Card.  |
| Client location        | : Nationwide, Swindon, United Kingdom.   |
| Work location          | : Nationwide, Swindon, United Kingdom and Publicis Sapient London, United Kingdom.                 |
| Domain                 | : Everyday Banking.  |
| SDLC                   | : Agile Methodology.   |
| Testing types involved | : System Testing, Automation Testing, Database testing, API (RESTful Services).                    |
| Automation test tools  | : BDD-Gherkin-Cucumber, Webdriver-IO (JS), API(Axios) & Appium (Mobile), Browser Stack/Sauce Labs. |
| Project Description    | : Issuance of new member credit card to existing customers through credit check.                   |

### **PROJECT #1 FROM JAN 2019 TO FEB 2019**

|                        |  |
|------------------------|--|
| Project Name           | : Card Control.  |
| Client location        | : Nationwide, Swindon, United Kingdom.   |
| Work location          | : Nationwide, Swindon, United Kingdom and Publicis Sapient London, United Kingdom.             |
| Domain                 | : Everyday Banking.  |
| SDLC                   | : Agile Methodology.   |
| Testing types involved | : System Testing, Automation Testing, Database testing, API (RESTful Services).                |
| Automation test tools  | : BDD-Gherkin-Cucumber, Webdriver-IO (JS), API(Axios) & Appium (Mobile).                       |
| Project Description    | : Control the card transaction by freeze/unfreeze and also restricting to sites like Gambling. |

## **Projects Worked @ RNTBCI as Senior Engineer - Test Automation**

### **PROJECTS FROM OCT 2017 TO SEP 2018**

|                        |   |
|------------------------|---|
| Project Name           | : STEFI (Outbound Logistics).   |
| Client location        | : Renault, Paris, France.   |
| Work location          | : RNTBCI, Chennai, India.   |
| Domain                 | : Logistics.  |
| SDLC                   | : Agile/V-Model Methodology.  |
| Testing types involved | : System Testing, Database testing, Automation Testing, API (RESTful Services).                   |
| Automation test tools  | : Selenium WebDriver using Specflow, C# - NuGet, API (Rest Sharp).                                |
| Project Description    | : Managing the Outbound logistics of vehicles from the manufacturing unit to the dealer location. |

## **Projects Worked @ SQS as Test Automation Engineer**

### **PROJECT #3 FROM NOV 2016 TO OCT 2017**

|                        |  |
|------------------------|--|
| Project Name           | : Da Vinci - Hiscox (Business Insurance - Core - Back Office Use).                               |
| Client location        | : Hiscox, London, United Kingdom.  |
| Work location          | : SQS, Chennai, India.   |
| Domain                 | : General Insurance.   |
| SDLC                   | : Agile Methodology.   |
| Testing types involved | : ST, SIT, Automation Testing, and Web services testing using SOAP UI.                           |
| Automation test tools  | : BDD-Cucumber, Selenium Webdriver, Java-maven, Web Services (SOAP), Bitbucket & Bamboo (CI/CD). |
| Project Description    | : Managing Business insurance customer applications for back-office use.                         |

### **PROJECT #2 FROM FEB 2016 TO OCT 2016**

|                          |   |
|--------------------------|---|
| Project Name             | : Da Vinci - Hiscox (Home - Core - Back Office Use).  |
| Client location          | : Hiscox, London, United Kingdom.   |
| Work location            | : Hiscox, London, United Kingdom.   |
| Domain                   | : General Insurance.  |
| SDLC                     | : Agile Methodology.  |
| Testing types involved   | : ST, SIT, Automation Testing, and Web services testing using SOAP UI.                            |
| Automation testing tools | : BDD-Cucumber, Selenium Webdriver, Java-maven, Web Services (SOAP), Bitbucket & Jenkins (CI/CD). |
| Project Description      | : Managing Home insurance customer applications for back-office use.                              |

### **PROJECT #1 FROM FEB 2014 TO FEB 2016**

|                          |   |
|--------------------------|---|
| Project Name             | : Da Vinci - Hiscox (Home & Business Insurance - Web).      |
| Client location          | : Hiscox, London, United Kingdom.                           |
| Work location            | : SQS, Chennai, India.                                      |
| Domain                   | : General Insurance.  |
| SDLC                     | : Agile Methodology and Waterfall.                          |
| Testing types involved   | : ST, SIT, and Automation Testing.                          |
| Automation testing tools | : Keyword-driven framework (Selenium Webdriver Java-maven). |
| Project description      | : Home & Business – new online retail insurance platform.   |