

# Vignesh Sekar

QA Automation Engineer | Software Quality Engineer | RPA

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## Summary

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Software Quality Analyst professional with 4+ years of experience in developing and implementing testing strategies for complex software systems. Expert in Manual and Automation testing, ensuring high-quality software delivery in fast-paced environments. Proven ability to identify and resolve critical defects, enhancing product quality. Collaborates with development teams to produce robust, bug-free software. Skilled in analyzing and improving processes, supporting project deadlines, and documenting defects, solutions, test plans and test scripts.

## Expertise

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Automation Testing	Agile Methodology	API Testing
BDD & TDD Methodology	UI and Manual Testing	Mobile Testing
Robotic Process Framework	Test Case Management	Test Scripts Management

## Technologies

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- **Programing Languages:** Python, Javascript
- **UI Automation Tools:** Selenium, Robot Framework, Cypress
- **Project Management:** Jira, Agile Methodology
- **Backend Testing:** Postman, GraphQL, SQL
- **Others:** GitHub, Slack, Figma, Pycharm, Zeplin, X-Ray plugin, Confluence

## Experience

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**Vivriti Capital Pvt.Ltd**  
Senior Quality Engineer

**Chennai, India**  
March 2025 – Present

- Defined testing strategies to ensure functional and regression test coverage.
- Performed end-to-end manual and automation testing using Robot Framework.
- Logged and tracked defects via Jira, collaborated closely with developers for resolution.
- Created and maintained test cases, test plans, and execution reports.
- Acted as Scrum SPOC, coordinated daily stand-ups and sprint activities.
- Conducted exploratory testing to identify system bottlenecks.

## Projects

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**#01 | Title : Credlyst | Role : QA | Testing Approach : Manual, API and Automation**

- Validated borrower financial data, hygiene checks (CIBIL, GST, EPFO, litigation, etc.)
- Tested modules like Rating Model, Peer Comparison, Collection Efficiency, and Limits Model.
- Developed an automation suite for smoke testing of critical modules using the Robot Framework.
- Implemented smoke test suites for both API and frontend layers to ensure end-to-end stability.

## #02 | Title : Artemis Institutional | Role : QA | Testing Approach : Manual, API and Automation

- Validated dynamic field population, credit workflows, borrower onboarding, and disbursements, RS.
- Developed an automation suite to perform smoke testing on the critical modules using Robot framework.
- Implemented smoke test suites for both API and frontend layers to ensure end-to-end stability.

### Calibraint Technology

Software Quality Engineer 2

Chennai, India

October 2020 – Aug 2024

- Led automated testing initiatives in crypto exchange projects using **Python-based Robot Framework** with a **BDD** approach, resulting in significant efficiency improvements.
- Implemented Cypress for front-end testing to enhance UI testing capabilities and streamline test execution for CRM.
- Executed comprehensive **Manual** and **API testing** using **Postman** on social media and CRM projects which identified 30+ critical bugs and enhanced system stability.
- Performed comprehensive testing across websites, mobile apps, and responsive designs, ensuring seamless user experiences and improvements across multiple devices and screen sizes.
- Applied Agile methodology and Scrum practices effectively, employing **Jira** and **Confluence** for defect tracking and project management.
- Conducted **end-to-end** testing processes, from requirements analysis to release validation, ensuring adherence to stringent quality standards.
- **Mentored** junior QA team members, fostering a collaborative environment and promoting knowledge sharing to enhance team effectiveness.
- Coordinated with the team to implement automated **Smoke and Regression Testing** strategies, optimizing test execution time and enhancing overall product stability.

## Projects

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### #01 | Title : Calibraint CRM | Role : QA | Testing Approach : Manual, API and Automation

- Maxis CRM is customizable to support various workflows and business needs.
- Tracks deals to monitor business progress and integrates meeting schedules with Google Calendar.
- Includes in-app email tracking and role-level permissions for comprehensive customer management.
- Offers a robust solution for optimizing customer relationship management.
- Analyzed requirement documents and developed automation test scripts based on manual test cases.
- Created automation scripts for E2E, regression, smoke, and integration tests using **Cypress with Javascript**; Executed Smoke script and created execution report on daily basis.
- Tracked and followed up Automation bugs using **Jira**.
- Conducted manual and automation testing, generated risk reports, and provided production release clearance.
- Tested mobile applications on Android and iOS (both hybrid and native) and performed API testing using **Postman**, leading to successful production releases.

## #02 | Title : Crypto Exchange | Role : QA | Testing Approach : Manual, API and Automation

- Operates the largest cryptocurrency exchange by daily trading volume.
- Developed high-frequency trading systems for stockbrokers.
- Built blockchain solutions as part of the cryptocurrency wallet team.
- Recognized for expertise in high-frequency trading and blockchain technology.
- Conducted integration testing from Metamask to the exchange application and analyzed requirement documents.
- Prepared and executed test scenarios, test cases, and retested defects.
- Created automation scripts for E2E, regression, smoke, and integration tests using **Robot Framework with Python** for both FE and BE, utilizing **Selenium and Request Library**.
- Performed GUI, functional, regression, and compatibility testing on Firefox and Chrome; updated test cases and prepared summary reports.
- Conducted API testing with **Postman**, including basic response data and status code assertions, and performed performance testing as per client benchmarks.

## #03 | Title : Swaray | Role : QA | Testing Approach : Manual

- Swaray is a next-generation social platform and NFT marketplace.
- Enables influencers and fans to connect through live video experiences.
- Users can monetize interactions using Swaray points and NFTs.
- Combines social engagement with digital asset trading for a unique user experience.
- Conducted requirements analysis, traceability, test planning, strategy formulation, test case review, and test results reporting.
- Performed smoke, sanity, regression, compatibility, and ad hoc testing.
- Managed QA activities, including requirement feasibility analysis and scenario identification, testing across various environments.
- Executed test cases based on defined scenarios and requirements.

## Education

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| • <b>College of Engineering Guindy, Anna University (Distance)</b><br>Master's Degree in Computer Application | <b>Chennai, India</b><br>2020 - 2023 |
| • <b>SRM University</b><br>Bachelor's Degree in Computer Science  | <b>Chennai, India</b><br>2016 - 2019 |

## Certifications

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- Completed **Robot framework** with Python from Udemy
- Completed **Selenium** with Python from Udemy
- Completed **Cypress** from Udemy
- Completed **Jira** Fundamentals from Atlassian Academy

## Recognitions

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- Awarded **Star Performer** of the Month at Calibraint (June 2022) for successfully launching the Terapool project while simultaneously supporting two other projects.
- Awarded **Project Team** of the Year at Calibraint (March 2023) for developing a crypto exchange from scratch, releasing the product, and resolving issues promptly, with dedicated weekend work.