

# Muthukkaruppan Subramanian

## Senior SDET I

A quality-driven Software Engineer with 7+ years of experience in the Pension and HealthCare domain. Providing automation solutions to the business problem by understanding the system architecture. A creative problem solver with self-motivation and determination.



✉ [Redacted Email Address]

📍 Chennai, India

🐙 [github.com/MuthukkaruppanSubramanian](https://github.com/MuthukkaruppanSubramanian)

📱 [Redacted Phone Number]

in [linkedin.com/in/muthukkaruppan-subramanian](https://linkedin.com/in/muthukkaruppan-subramanian)

## SKILLS

Core Java

Ruby

Data Structures & Algorithm

Design Pattern

Test Framework

Selenium

REST API

Exploratory Tester

## WORK EXPERIENCE

### Senior SDET I

#### ICU Medical Inc

05/2020 - Present

Chennai

ICU Medical connects patients and caregivers through safe software's and enhancing IV therapy products .

##### Roles & Responsibilities

- Responsible for **Test Automation Framework** Deliverables.
- Increased the automation feasibility by providing solution and architecting Automation framework using **Factory Design pattern** to automate Embedded devices.
- Managing the CI for regression execution on each builds using Jenkins.
- Built an in-house **Failure Analysis Tool** to supports test automation.
- Good at **debugging** and identifying the root cause of the issue to provide optimal solution.
- Being a good team player support cross-functional teams to remove the hick-ups during automation development and execution.
- Played a significant role in defining Test objectives with Technical design, development, and managing core technical team members to build effective calculation libraries to validate new generation Infusion Pump.
- Smart Infusion pump connectivity is assured by monitoring the network connectivity using ADB.
- High Contribution in Technical Design Reviews with Cross-functional design.
- Debugged and Executed the tests on-demand / scheduled.

### SDET II

#### ICU Medical Inc

05/2017 - 04/2020

##### Roles & Responsibilities

- Responsible for **In-Sprint automation** and execution of scripts
- Being part of Performance testing, Developed Stress scripts to ensure the stability of the products.
- Automated ADB log verification to improve the validation accuracy and performance of the script execution.
- Developed a utility tool to update widget property for each build release to support end-to-end automation.
- Enumerated test scenarios and test data for User Stories. Ensured test coverage through presenting a TDR with cross functional teams.
- Getting involved in requirement analysis, feasibility check, estimation of efforts, automation, enhancement ,execution and defect tracking

## WORK EXPERIENCE

### Test Engineer

EQ India

05/2015 – 04/2017

Pension Administration and Security

Chennai

#### *Roles & Responsibilities*

- Preparation, Review and Execution of Test Script based on Requirements.
- Designed and developed Automation Test Scripts and managed testing activities using Selenium.
- Modified and Executed Automated and Manual Test Scripts for different modules using Selenium.
- Involved in Defects Management (Fault Verification, Tracking Issues, Communicating Test Results, and Preparation of Bug Reports).

## ACHIEVEMENTS

ICU Achievers Award (01/2020 – 12/2020)

ICU Achievers Award (01/2018 – 01/2018)

Best Team Award (06/2016)

EQ India

## EDUCATION

### B.E(ECE)

Sakthi Engineering College

09/2009 – 05/2013

Chennai

## SOFT SKILLS

JIRA

Confluence

Test Rail

Perforce

Code Collaborator

Postman

## LANGUAGES

English

Full Professional Proficiency

Tamil

Full Professional Proficiency

## INTERESTS

Travelling

Cricket