

# Srinivas Madnal

## Senior Engineer – IT Quality & Assurance Testing

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### About Me

Professional Quality Assurance engineer with 4 years of experience in software quality process, Involved in end-to-end product testing and management across multiple platforms. I have experience in

**Manual Testing, Web Automation, Mobile App Automation, API Automation, Performance Testing.**

### QA Skills

- Manual Testing
- JavaScript/TypeScript
- Selenium
- Appium
- XCUITest
- UIAutomator
- WebdriverIO
- Mocha
- Azure Devops
- Mobile Test Automation
- API Test Automation
- Web Automation
- TESTIM.IO
- BrowserStack
- SuperTest
- JIRA
- Cypress
- Load Runner
- Jenkins

### PERSONAL PROJECTS

#### • Mobile App Test Automation – Color-note Android App

Tech Stack : Appium, WebdriverIO, Mocha, Browserstack, Azure Devops CI/CD Pipeline

#### • Maps API Test Automation project

Tech Stack : Javascript, SuperTest, Mocha

#### • Mobile App Test Automation – coindcxPro-note Android App

Tech Stack : Appium, WebdriverIO, Mocha, Browserstack, Azure Devops CI/CD Pipeline

### Education Background

B-tech : Mechanical Engineering  
Pes University  
05/2014 – 05/2018,

### Achievements

- Successfully reduced the **regression cycle** duration from **4 days to 2 hours** by implementing a comprehensive test automation framework.
- **Star Award Winner** – Awarded for developing new **Mobile App Test Automation** framework
- **Star Award Winner** – Awarded for Developing new framework for **Production Smoke and Core Test cases in TESTIM.IO** and for Securing passwords which reduced total Automation execution time from **90 mins to only 15 mins**

### Professional Experience

#### Senior Engineer – IT Quality & Assurance Testing | Marsh McLennan Global Services India Private Limited (MMGS) 2023 – Present

##### Key responsibilities:

- **Developed Web Test Automation Framework** : Designed and implemented a robust web test automation framework for Mercer Health application using **WebdriverIO, TypeScript, Cucumber**, and the **Page Object Model (POM)**.
- **Mobile App Test Automation** : Developed a robust test automation framework for a hybrid mobile application using **TypeScript, Mocha, Appium, and WebdriverIO**, accommodating both **iOS** and **Android** test scripts in a **scalable page object model**.
- **Custom Logging Mechanism** : Introduced a custom logging mechanism within the automation framework to track and log detailed test execution results.
- **API Test Automation** : Integrated API test automation using **SuperTest** to facilitate test data management through APIs, and to write integration tests ensuring comprehensive test coverage.
- **Test Data Management** : Managed test data within the automation framework using Excel files, enabling efficient **data-driven testing**.
- **Extensive Scripting** : Scripted over **500+ user stories** into automation scripts for both regression and smoke testing, significantly enhancing test coverage and reliability.
- **Continuous Integration and Delivery (CI/CD)** : Integrated the test automation framework into **Jenkins** and **Azure** Pipelines to enable automatic test execution and result reporting during release cycles.
- **Manual QA Testing** : Performed manual QA testing for migration projects from **on-premises** infrastructure to **AWS**, ensuring smooth transitions and system integrity.
- **Load and Performance Testing** : Developed scripts for load and performance testing using LoadRunner to assess system performance under various conditions during migration projects.
- **Stakeholder Management** : Collaborated with multiple stakeholders during the development of automation scripts and the submission of regression automation reports with them.

#### QA Automation Engineer | Amiti software technologies Pvt Ltd. 2020 – 2023

##### Key responsibilities:

- Developed New Mobile App Test Automation framework using **Typescript, Mocha, Appium, WebdriverIO**.
- Developed New web app Test Automation framework using **Typescript, Mocha, WebdriverIO**.
- Developed and maintained Mobile automation scripts for around **10 Android .apk, iOS .ipa Apps**
- Developed and maintained web app automation scripts for around 80 web sites.
- Created Detailed and Clear documentation on Mobile App Test Automation Strategy.
- Responsible for integrating Mobile Test-Automation Framework with **BrowserStack** and **MS Azure ADO Pipelines**.
- Responsible for developing new framework, Planning and maintaining Production/Non-Production Smoke Tests and Core Test automation scripts in **TESTIM.IO**.
- Worked as Code Reviewer For Smoke Tests, Integration tests and End-to-End tests.
- Responsible for Securing Production and non-Production passwords in all existing Automation frameworks.