

SUDHA M S

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Profile

Passionate programmer with 1+ experience in Quality Assurance. Worked independently on API automation project using cucumber and ruby and also contributed extensively to frontend automation. A collaborative team player with excellent communication, leadership and interpersonal skills and ability to learn new concepts and software quickly.

Experience

Sept 2017 - Present

Fourkites, Chennai - *Quality Assurance Engineer*

- Architected and built an **api automation framework from scratch** using **cucumber** and RSpec in **ruby** and integrated end to end with **TestRails** and Google Sheets
- Automated demo **data creation** and set up a **Jenkins cron** for the same with own interest
- Contributed extensively to the company-wide almost **scriptless automation** framework using **javascript**, **protractor** and cucumber -an initial contributor with many ideas of optimisation and solved several issues
- Handled several releases as a single QA resource with on-time deployment
- Recognised in monthly all hands around 2-3 times for taking up ownership
- **Mentored** 3 interns to test in an agile manner and capturing corner cases
- Used Postman with test scripts for validations and improvised load testing in **JMeter** with BeanShell scripts for dynamic data and using json extractor & assertions
- Familiar with test management and documentation tools: Jira, TestRail, Confluence
- Familiar with ElasticSearch, Log Entries, Spark, Redshift and querying databases
- Initiated test plan preparation for the product and good at preparing test data based on location and time
- Tested product like a layman and provided feedback on designs
- Initially worked as an intern with full responsibility for about 7 months during college

Basic Technical Skills

Testing: Cucumber, Selenium, Postman, JMeter, Protractor, RSpec

Frontend: HTML, CSS, Sass, JavaScript, Angular

Backend: Ruby, NodeJs, Java, Python, PHP

Tools: Git, Jenkins, Docker, aws-cli

Databases: MySQL, PostgreSQL, MongoDB

IDE: VS Code, Android Studio, Eclipse, VMware, Webstorm

Known Data Formats: JSON, XML, YAML, CSV, XLSX, JTL

Personal Projects

Testido - Standalone Test Framework for Web, API, Db and Ftp (In progress)

- **Description:** Given configurations and features with conventions, the framework has in-built common methods for making test automation as scriptless as possible.
- **Technology:** Cucumber, Javascript, MySQL, Postgres, MongoDB

Test Case Coverage Tool - npm package (In progress)

- **Description:** Calculates coverage of test cases based on keywords identified in scenarios and outputs a report in JSON format. Can be used by any test framework that uses cucumber.
- **Technology:** Javascript, npm

Application Blocking for Group of Users (Ablo) - Android Application (Final year college project)

- **Description:** For a group of users with an admin, the application blocks blacklisted mobile apps for subordinate users on excessive usage during working hours as configured by the admin.
- **Technology:** PHP, Java, MySQL, Android, Broadcast Receivers, Shared Preferences, Volley Library
- Presented the project at an **International Conference** in Chennai

Education

Aug 2014 - April 2018

Dhanalakshmi College of Engineering, Chennai - B.E.(CSE) - 7.74 CGPA

- Class Representative for 2 years
- Been a member of Rotaract and Inspire club and conducted events
- Workshops: IoT (Microsoft), Embedded Linux, Python (Infosys)
- Courses: Introduction to OS (NPTEL), Programming in Java (360 Ripples)
- Participated in open house exhibitions and symposiums
- The first student in the batch to get placed in the entire college

April 2002 - April 2014

Kendriya Vidyalaya Minambakkam, Chennai - 9.4 CGPA in 10th & 82% in 12th

- Participated and ranked among the top 30% at school level in Science and Green Olympiads
- Participated in Inter-school Social Science Exhibitions & Regional National Children's Science Congress

Personal Information

Languages I know

English - Speak, Read, Write
 Hindi - Speak, Read, Write
 Tamil - Speak, Read
 Kannada - Speak, Read, Write
 Tulu - Speak

Hobbies

- I love to paint and sketch.
 - I imagine a lot and put them in writing and publish them online in Wattpad
Link: www.wattpad.com/user/MSSudha