

SUDHA M S

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Profile

1+ experience in **Quality Assurance** and **Test Automation** in Ruby as well as Javascript. Fair knowledge in API testing, Cucumber, JMeter, Docker, Jenkins, Git, and Databases. A collaborative team player with the ability to learn new concepts and software quickly, excellent communication, leadership and interpersonal skills.

Experience

Sept 2017 - Present (1 year, 4 months)

Fourkites, Chennai - *Quality Assurance Engineer*

Fourkites uses a proprietary algorithm combined with the world's broadest data network to predict when shipments will arrive at scheduled stops, monitor load temperatures and analyze enterprise supply chain data. Predictive Capacity Management and Lane Connect provides the opportunity for shippers to collaborate with each other and share their assets to optimise their backhauls.

Roles and Responsibilities:

- Initiated **API Test Automation** in the project with configurable and reusable methods for APIs and DB validations using **Cucumber** and **RSpec** in Ruby as a fresher with minimal guidance. Integrated with TestRails for test case management and Google Sheets for collecting API data and metrics
- Automated demo data creation via **cron** running on **Jenkins** with self-interest
- Initial contributor to the company-wide almost scriptless test automation framework which uses **Javascript**, **Nodejs**, **Protractor** & **Cucumber**. Optimised several functions in the framework, introduced **MongoDB** querying with reusable methods and also integrated with TestRails, AWS and Kafka
- Experience in **Agile** Methodologies and also have handled releases as a single QA resource
- Initiated preparation of **Test Plans** for every release to capture risks and plan for mitigation
- Recognised in monthly all hands several times for taking up ownership
- **Mentored** 3 interns to test in an agile manner and capturing corner cases
- Used **Postman Collection Runners** for testing in bulk along with scripts for validations
- Improvised load testing in **JMeter** with BeanShell scripts for data manipulations
- Familiar with Jira, Confluence, TestRails, Git, Docker, Jenkins, Spark, Kafka, AWS-SQS, AWS-S3, AWS-EB, ElasticSearch, Log Entries Dashboard, Postgres, MySQL, MongoDB, Neo4j
- Expertise in location-based data preparation especially in the US
- Tested the product like a layman and also provided feedback on designs
- Interned for about 7 months with full QA responsibility during college

Other Technical Skills

- Design and build web applications with plain HTML, CSS, plain Javascript, Angular, SCSS
- Build Apis with plain NodeJs and Postgres and also built using express and mongoose frameworks
- Familiar with shell scripting, npm, Asynchronous Javascript, CSS animations
- Experience in using Eclipse, Webstorm, Andriod Studio and Visual Studio Code IDEs
- Personal deployment of applications using Heroku and firebase

Personal Projects

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

August 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

- Painting and sketching
 - Writing stories and publish them online in Wattpad