

SUDHA M S

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Profile

Passionate programmer with 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 data creation, APIs and DB querying 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 around 2-3 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
- Familiarised 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 build using express and mongoose frameworks
- Familiar with shell scripting, npm, Bootstrap, Asynchronous Javascript, CSS animations, carousels
- 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