**SUJITH K SUBRAMANIAN**

**Summary**

* Test engineer with a passion for testing and quality. Total of 8 years and 10 months of experience. 2 years of experience as a Java developer.
* QA lead experience for 2 years
* Available in under a month for a job change also possess valid Singapore EP, China business visa, US B1 visa.
* Passionate full stack test engineer. Websites, APIs (Microservices testing), image verification, automobile hardware, firmware. Tried my best to test and automate them all
* Ability to think like an end customer, which helps me design test cases (automation and performance).
* My prime obsession has been in analyzing data using various analytics engines and deriving test cases using the same.
* Good experience in performance testing using Jmeter, Loadrunner.
* Looking for new job opportunities as a test engineer, SDET or similar

**Work experience:**

**Grab, Singapore**

**QA Engineer 3 (Automation)**

**November 2019 – Present**

Grab is southeast Asia’s largest mobile technology company that connects millions of consumers to millions of drivers, merchants, and businesses. Grab is taking on the largest problems that affect the region, including access inequality, outdated infrastructure, and income disparity.

**Experience and responsibilities:**

* Test plan preparation for Grab’s geo platforms (Maps).
* Leading a team of 2 QA engineers.
* Performance testing driver API with over 12000 requests per minute load.
* Soak testing with Jmeter 3.2, Jmeter plugins like Step Up Thread Group and Ultimate thread group.
* Using New Relic to monitor pefromance testing results.
* GCEasy was used for GC log analysis.
* Writing API automation test framework from scratch for API test automation using Python, Pytest, Requests library and Allure.
* Writing automation tests for Grab Gamma website using TOSCA automation tool.
* Writing test automation framework for Grab driver app on Android and IOS using Appium 1.17 and Python. Browerstack was used to test on muliple devices.
* Using node-tesseract-ocr library in NodeJS to convert images to text and compare screenshots of multiple navigable routes on maps.
* Interacting with development teams in China, India, Malaysia and Australia for feature updates, releases etc.
* Conducting road tests for Grab driver app all over South East Asia and China.
* Setting up CI/CD pipeline using Gitlab and Jenkins
* Working in the Agile way with 2 weeks sprints.

**Senior Software QA Engineer at Bounce (**[**https://bounceshare.com/**](https://bounceshare.com/)**)**

**brand of Wickedride adventures**

**Bengaluru, Karnataka, India**

**July 2018 – November 2019**

**Bounce** is an Indian origin transportation network company, and the only dockless scooter-sharing service in India. The company currently offers its dockless scooters for hire in Bengaluru while it operates in multiple cities across India where it offers docked scooters on rent.

**Experience and responsibilities:**

* Joined as an early member(22nd emp/ ~5000) of an early stage startup and built the entire testing setup i.e. test cases, AWS EC2 machines for running automation tests.
* Performance testing using Jmeter 3.2 for a maximum of 28000 requests per minute and also using VPC of AWS machines to set up a performance test environment. Load was generated from different
* Using GCEasy.io for garbage collection cycle analysis using Thread Dump files.
* automation test frameworks for web using Selenium and APIs using RestAssured, performance test setup all from scratch.
* End to end testing of the entire Bounce platform from firmware communication from bikes to Apis, database, cache , SQS and apps.
* Testing Firmware developed by Bounce to be installed in Bikes. Automated using Java Netty TCP Java library. Tested Firmware-Server-App communication. The firmware was written in C and it communicated over the network wirelessly. This was particularly challenging to test.
* Testing Netbanking and e-Wallet interface for e-payments.
* Working with actual end-users in company conducted workshops to understand their problems and requirements. Translated these requirements into wireframes using mockflow and helped create the FDD for development.
* Interacting with actual customers to know the real issues and suggestions.
* Mentoring a team of 9 QA engineers with different degrees of experience levels.
* Testing Clevertap analytics and doing A/B testing to ensure maximum conversion rate. Automating these tests using Chakram and Node JS.
* Manual API and Websites of Bounce bike rental platform.
* Testing Flutter apps on different Android versions and devices. Used Genymotion studio to run automation tests on multiple devices on cloud.
* Automating tests for APIs, Websites, firmware, using Java 1.7, Rest Assured, Selenium Webdriver, and NodeJS and Chakram.
* Running automated app tests on AWS device farm.
* Using fabric and Clevertap to get data about device usage and website and app usage patterns to serve as inputs for performance test plan.
* Set up end to end environment including Jenkins, EC2 machine for hosting Jenkins.
* Using Amazon AWS to store test results in buckets.
* Submitted a prototype for a device that helps in theft detection of helmets using sensor. Helmet theft was causing huge loss to the company. Now it is implemented on a large scale.

[**Senior Software QA Engineer**](https://www.linkedin.com/recruiter/search?jobTitle=Senior%2BSoftware%2BQA%2BEngineer&updateSearchHistory=true&decorateHits=true&decorateFacets=false&doFacetCounting=true&resetFacets=false&doResultCaching=false&forceResultFromCache=false&origin=PPSJ&doProjectBasedCounting=false&count=10&start=0)

##### [**Bounce**](https://www.linkedin.com/recruiter/company/14428459)

**June 2018 – November 2019**

Bug tracking, triaging, agile sprint tasks management using JIRA API test automation using Rest Assured, Java 1.8 Image recognition based test automation using Node JS, Chakram, Google's OCR Performance testing using Jmeter 3.2 Test plan and test case writing using Testlink.

**Quotient Technology Inc. (ecommerce couponing)**

**Senior Software QA Engineer**

**August 2017 – August 2018**

Experience and responsibilities:

* Bug triaging and tracking for multiple products.
* Deploying builds(war files) using Udeploy and Jenkins.
* Set up test jobs on Jenkins, for CI/CD pipeline.
* Automation QA, Manual QA, Performance testing,
* Analytics and Big data testing using Kafka command line consumer
* Developing automation test frameworks for APIs using NodeJS, Chakram and Chai assertion library.
* Develop and maintain test frameworks using Java 1.7 and Selenium Webdriver.
* Manual testing, test plan development and test case writing.
* Streamlining coordination between US team and Bangalore team by making visit to the US, getting to know the products and people better and delivering a KT to the Bangalore team.

**Reflektion (e-commerce, recommendation engine and machine learning)**

MTS 2

**May 2015 – July 2017**

Experience and responsibilities:

* Was only the 2nd employee of this ecommerce based startup, set up EC2 machines, Jira and Zephyr and all infrastructure needed for testing.
* Using Google Analytics to understand user behaviour users how it affects buying patterns. Used data from Google analytics to provide data to automation and manual tests
* Customer's POC and also did UAT testing at customer's sites.
* Building large scale analytics platform with customized data pipeline.
* Certifying machine learning rule interceptions written in Go Lang and Node JS.
* Newrelic based synthetics and monitoring for multiple customer websites.
* Optimization of performance inputs for web applications; rpm, cpu monitoring,thread dump analysis, cache management etc after doing performance tests for around 18000 rpm. Jmeter and Locust.io were used for this.
* Developed module for checking the inclination of alogrithm’s logic for generating search results for ecommerce websites like Nike.com, Home Depot, Oneil.com,Gandermountain.com etc.
* Developed module to get Google analytics data to get the best selling products on the customer’s website, which was run as a daily cron job along with regression tests.
* Innovated on finding compounded xpaths
* I also taught myself on how to make Chrome extensions.
* Web automation test framework using development using Robot and Python 2.7
* Made a few of those to help product managers test websites. It can save you work to Google account

(<https://chrome.google.com/webstore/search/url%20opener%20sujith?hl=en>)

**Tesco(e-commerce, world’s 4th largest retailer)**

**Software Engineer**

**April 2013 – February 2015**

Experience and responsibilities:

* Testing Liferay applications using Selenium and Java.
* Leading a team of 9 members, mostly fresh graduates and some with experience.
* Architecting Selenium based Page Object Model test automation frame work using Java.
* Expert in **finding Xpaths, designing** customized JavaScript to test front end of web based applications.
* Selenium based automation testing.-
* Performance testing using loadrunner; finding number of file descriptors openat a moment to narrow in on performance issues.
* Scripting Vusers for performance tests.
* Testing on HTTP and HTTPS protocols.
* Running and analyzing performance test results.
* Diagonalizing frequency of Garbage Collection cycles.

**Mindtree**

**Software Engineer**

**March 2011 – March 2013**

Experience and responsibilities:

* MindTree's R&D division- Manage Mind product which is a video survillence software with IP camera, MJPEG, H.264 video compression.
* Java based development for large enterprise level applications like Manage my Paisa, a Banking product. Tested list customers, benefeciaries API using Temenos.
* Implementing credit card validation and banking mainframe interaction module for Avis.com
* Swing based UI to control surveillance camera user details.
* Developing application packages using Flexera installshield for test packages downloaded over Portal market.
* Worked on struts 2.0 for developing pages for Avis.com client.
* Performance testing using loadrunner, with requests/minute of 20000 to360000 users.

**College project details**

Junior Engineer at ISRO (**Indian Space Research Organization)**

April 2009 - July 2009 (4 months, internship)

Bangalore

Pioneering Indian version of GPS. Indian Regional Navigation SatelliteSystem.Finding minimal parameters to find position of object with error of 10m.JavaScript and C# was used to calculate the azimuth of existing satellites.

**Publications**

Aurifera

**My new innovations**

* Helmet theft detection in scooters, implemented
* One handed keyboard , in progress
* Laser activated switch for easy clicking, in progress
* Url opener Chrome extension, saves your work too

<https://chrome.google.com/webstore/search/url%20opener%20sujith?hl=en>

**Top Skills**

Selenium, Java 1.7, Jmeter, API and web automation testing, performance testing, manual testing, mentoring team members and team building,

**Education**

**Manipal University**

Master of Science, Computer Networks · (2014)

**P.E.S** College of Engineering (Visvesvaraya Technological University)

Bachelor of Engineering, Computer Science · (2010)

**Certifications**

Core Java- NIIT, Selenium from Qspider, HP Loadrunner, ecommerce bronze certification from Tesco