

Sunil Kumar Gunasekaran

Technical Lead - Mid-Level Test Architect - Senior Consultant Tier 2 - Senior Test Engineer - Automation Lead

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- 5 years' experience automating UI and Web services Software using Selenium and Internal Java web services framework. I worked in US for three years on H1B visa and have my visa period active until 2019.
- Created business rule validation test scripts, field validation scripts, positive scenarios, negative scenarios for major client applications including Chicago Mercantile Group remedy ticketing and SAS monitor application, CitiBank CitiDirect BE payments, Trade 8.1, State Street Cash Manager, Green Trade, Verizon Data Services – My FiOS mobile and web app, DBS Hong Kong – Faster Payment Systems etc. with accurate mapping of the test scripts with the test scenario document, with proper naming conventions, had them executed, generate reports and send to the management for review. Had these test scripts run in multiple environments in Jenkins on daily basis and generated test metrics and emailed the management.
- Developed automated scripts for functional testing, regression testing, acceptance testing, smoke testing, data base testing, web services testing, server reboot testing and integration testing for web applications, mobile applications, web services, DB connections using selenium, java, web services automation tools, jenkins, cucumber, testng, junit, maven, extent reports, eclipse, intellij, multi browser – IE, FF, chrome, multi instance configuration setup using selenium hub node.
- Setup selenium grid node configuration for SAS Monitor UI DB cucumber framework with instances running scenarios in IE Chrome and FF
- Setup TestNG parallel multiple instance setup configuration – browser factory listener driver configuration and testng surefire reporting configuration.
- Prepared test summary report, change request document, defect tracking document with defect id, steps to recreate the defect, screenshot of the defect, found by, assigned to developer details and email the developer, monitor the defect status, regress the suite after the defect fix and close the defect once the regression is complete and report management.
- Created and maintained jenkins jobs node machines and monitored jenkins BVT in daily basis. Immediate notification research on Jenkins PROD issues.
- Created/modified/maintained automation test plans, test cases, test procedures and test metrics.
- Identification of bugs & specific automation requirements in design level. Active involvement with developers to improve App at design level.
- Extensive documentation, training and guidance to new SQEs
- Maintained/Tracked automation work items, scheduled automation team meetings to review and define work items for next iteration etc.

Core Competencies

- Professional course designer for resource ramp up on latest tools and languages.
- Core developer of frameworks including cucumber, testng, oracleDB, selenium, java, jenkins, junit, web
- Good client relationship

services, jbehave, perfecto

- Competent manager of automation teams.
- Good team player

Tools and Technologies

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|-------------|--------------|----------------|
| ● Java | ● TestNG | ● Tortoise |
| ● VB Script | ● JUnit | ● Git |
| ● Oracle | ● Selenium | ● Maven |
| ● MySQL | ● Protractor | ● IntelliJ |
| ● QTP | ● Jasmine | ● Eclipse |
| ● Cucumber | ● Redmine | ● Web Services |
| ● FitNesse | ● Jenkins CI | ● REST |
| ● Splunk | ● JIRA | ● Jbehave |

Project Responsibilities at HCL Technologies Ltd - SDB 6, Sholinganallur Campus, Chennai, India

Company and Project	HCL Technologies Ltd - SDB 6, Sholinganallur Campus, Chennai, India - DBS Hong Kong
Role	Technical Lead
Duration	February 28 2018 till present
Domain	Banking
Technology	Cucumber Junit Java Selenium TestNG Jenkins Team City Robot Jbehave
Project Description	<ul style="list-style-type: none"> • Visited DBS Hong Kong as part of short term business trip for two weeks in their client location at Kwon Tong, Hong Kong as part of assessment, test case scenario preparation, POC creation and SOW sign off for their Faster Payment System product. • Created framework using selenium, jenkins, java, maven, testng, eclipse neon, jbehave and added few libraries and reporting plugins and deployed the project in Jenkins and kept it ready for demo and further discussion on POC framework. • Created dependency document, helped in creation of automation architecture, created test case scenario document for web and mobile application for POC and SOW sign off. • Helped the management in slide deck preparation for show case of automation, service virtualization strategies to DBS HK managers and in scouting and validation of automated test case estimation figures for related applications. Attended meetings with the management, clarified blockers in the automation deck show case, and helped in test case scenario document preparation, automation architecture preparation and dependencies document preparation.

Educational Qualifications

- Master's in Computer Engineering –Software Engineering Track Santa Clara University Santa Clara California United States of America Jan 2011 to Dec 2012
- Worked in United States on H1B visa from 2013 to 2015. My H1B visa is active until 2019.

Achievements & Certifications

- ISTQB Certified Tester as of May 19 2017
- Perfecto Selenium Mobile Masters Certification 2015
- Perfecto Selenium Mobile Specialist Certification 2015

Projects Worked in Virtusa

Company and Project	Virtusa Navalur Fin Tech Building Chennai Tamil Nadu India - Citi Bank Citi Direct BE Payments Project
Role	Senior Consultant - Tier 2
Duration	February 27 2017 till February 19 2018
Domain	Banking
Technology	Cucumber Junit Java Selenium Jenkins Team City UFT QTP VB Script Sikuli AutoIT Robot
Project Description	<ul style="list-style-type: none"> Created field validations for Trade 8.1 Authorize, Modify Repair and View All Grid. Added screenshot capture feature and Extent reports to the existing framework to capture element by element. Removed Thread sleeps and converted the test data and field validation data into excel format. Created Scenario documents for Trade 8.1, demoed to the stake holders, got it approved and completed two demos of completed automation scenarios in Cucumber, Maven, Extent Reporting, Screenshot capture, Excel test data and field validation data. Created Business Rule Validation Test Scripts and Test scripts for Citi Direct Payment and Green Trade modules in UFT and executed them in batches and submitted for review. Completed ISTQB Certification. Now I am ISTQB certified Tester. Created 150 test scripts on Citi Direct Payments Business Rule Validations using UFT. Completed Java course for 4 weeks as part of framework transition to Selenium Web Driver. POC on Selenium Cucumber TestNG BDD as part of transition from QTP to Selenium. Evaluation of Java Applet handling tools like SikuliAutoIT and Robot as part of Selenium POC. Created 500 test cases of CitiDirect BE Payments module - 5 CRs including positive, negative, field validation and business rule validation test scripts in cucumber, extent reports, scenario documentation, demo to clients, defect identification and discussion with developers to fix the defects and regression of fixed defects, maintenance of the completed CRs in shared folders sorted based on date of completion and deploy of the scripts developed in CICD Team City. Developed field validation test cases, created around 1500 field validation checkpoints with 15 combinations per field for Trade 8.1, State Street Cash Manager and other applications. Created test script patterns, re-usable test case sheets and selenium function libraries and gave KT to team on usage of the libraries for implementation of field validation in their modules. Created field validation combination generator to generate test data based on FRD for the given fields in no time. Developed business rule validation scripts to validate negative scenarios including the error messages and kept it reusable other team members. Created foreign language packages for the implemented scenarios in 19 languages and 50 smoke tests and generated reports and deployed them in CICD Team City as part of the CR requirements in Citi Direct BE Payments. Citi Bank Citi Direct Payments module and Green Trade module is fully based on UFT and QTP application. The test scripts are maintained and executed in batches. The created test scripts are sent to Validation Team for review and comments.

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Company and Project	Virtusa Polaris Capital Building HYD Telangana India – Client-Chicago Mercentile group – CME – Remedy Monitor UI Project
Role	Senior Consultant - Tier 2
Duration	April 11 2016 to Jan 31 2017
Domain	Stock Exchange
Technology	Git Maven IntelliJ Cucumber Oracle DB Selenium UI Java Linux box Stash Sonatype Quality Center
Project Description	<ul style="list-style-type: none"> Chicago Mercantile Exchange group - SAS Monitor UI Linux box Deploy Oracle DB record Bootstrap automation framework test deployment validation monitoring using Cucumber Selenium Git Java Stash Putt etc. Agile methodology and test cases maintained in Quality Center. Agile Scrum methodology with bi-weekly iteration using JIRA DB Selenium UI and REST compressed automation project development using cucumber oracle db and other supporting tools. Set up of multi browser hub node configuration for Monitor UI scenarios – Scenario executed in IE Chrome Firefox – Cucumber TestNG parallel configuration implementation for IE Chrome and Firefox Regression Integration testing of UNIX deployment of jar war and tar gz applications using bootstrap framework in UNIX and Windows boxes. Cucumber - Selenium - Maven – Tortoise Git Automation framework setup maintenance test scenario creation – Huge volume accurate commit with signatures and comments pointing to respective files. SAS Monitor UI ticket creation deployment of bootstrap framework in Linux boxes and monitoring of events. Test cases maintained and updated in Quality Center.

Experience Prior to Virtusa

Company and Project	Newt Global Limited Chennai India - Client- Verizon Data Services Limited - Chennai Tamil Nadu India - Verizon MyFioz Mobile Application
Role	QA Automation Engineer
Duration	30-Oct-2015 to 08-Apr-2016
Domain	Telecom
Technology	Java Selenium Web Driver Perfecto Mobile Framework Android – iOS mobile automation Jenkins JIRA Ant Zephyr Selenium Grid
Project Description	<ul style="list-style-type: none"> • Worked in Agile DevOPs model. • Completed 57 selenium mobile Selenium PC web test cases in Verizon MyFios – Myservices module in mobile app and mobile web combined. The test cases were implemented in wide categories like Android Tab, • Android Phone iOS Tab iOS Phone Mobile App and Mobile Web. • Regressed 70 test cases of Tapasium – Retail ETR Tele flows module – customer data and phone order • Management debugged tests generated reports had the test suites run in Jenkins pipeline. • Integrated the selenium testing tests with Jenkins using ant build.xml and TestNG suite main class file for each test case. • Implemented PDF report capturing screenshots and video recording of the entire test case run. • Implemented multiple devices execution for each test case using TestNG parameterization.

Company and Project	Access Data Consulting Corporation Denver CO United States - Client-Clickfox - Denver CO United States - Clickfox CEA Engine
Role	QA Automation Engineer
Duration	08-Feb-2014 to 01-Sep-2014
Domain	Data Analytics
Technology	Protractor Jasmine Selenium TestNG Junit Putty Node JS Java Script Java xml-html-trx-reporter, SQL, Redmine, Mercurial, IntelliJ CentOS Linux OS
Project Description	<ul style="list-style-type: none"> • Offshore team recruitment, management, guidance, direction, delegation, control of feature implementation, code quality, deadline, resolution of blockers etc. I was incharge of 5 off shore QA resources. • Participated in daily stand-up – SCRUM. • Worked with product to develop acceptance criteria and design test cases for features via bi-weekly iteration and associated planning meetings, retros, scrum, updates etc. • Protractor, Jasmine, Selenium framework used to design, maintain and execute automation scripts. • Set right branching, defined rules on merging, refactor, updates to default branch. • Implemented 6 features in CEA application – Login, forgot username, forgot password, analyze module dropdown menus and user permissions. • Regularly interview new candidates to fill new QA positions onshore and offshore. • Set up reporting tools, POC completed on jasmine reporter, spec reporter, html reporter, xml reporter, xml reporter, trx reporter etc.

Company and Project	Pearson Education Denver, CO, United States Console UI Automation
Role	QA Automation Lead
Duration	25-Jun-2014 to 16-Jan-2015
Domain	Publishing
Technology	Java Selenium Web driver Jenkins JIRA IntelliJ TestNG Git Maven Stash GoToMeeting Java Web Services Framework – Ziggy.
Project Description	<ul style="list-style-type: none"> • Extensive knowledge of eSelenium Framework. • Built Page objects, Contexts, Executors, Tests, Helpers, for SignIn and SignUp - 37 test scripts • Framework - Selenium Webdriver, TestNG, Maven, Eclipse, Git, Stash. • Maintaining creating On-boarding and other documentation. • Logging and reporting defects through JIRA. • Consistent high quality delivery of Console UI automation modules - signin, signup and console page. • Complete documentation, monitoring, creation of Jenkins jobs, node machines and Jenkins architecture. • Worked in Agile Kanban Framework with monthly sprint cycles and daily scrum. • In depth documentation, training and guidance to new SQEs including installation, project setup, selenium training modules guidance, assigning work items etc. • Maintained and updated web services test scripts of Learning Studio API, GRID API and Notification API in fitNesse& Java based web service automation framework. • Logged, maintained and monitored 17+ JIRA defects. • In depth knowledge of Java, Selenium, Git, Maven, Eclipse, IntelliJ Stash, JIRA and TestNG. • Off shore team Learning Studio API handover documentation, training - Conducted 17+ webex sessions and created 17+documents on Learning Studio API transition to off shore team based in Sri Lanka.

Company and Project	Pearson Education, Denver, CO, United States Notification API & WSOD Learning Studio API
Role	Software Quality Engineer
Duration	January 08 2013 to 25 June 2014
Domain	Publishing
Technology	Java SOAPUI fitNesse Perforce Splunk Test Link Git Maven Stash JIRA Rally.
Project Description	<ul style="list-style-type: none"> • Web service automation of GRID - Notification API and WSOD APIs • Assisted in development of internal Java web services framework. • Create issues logged defects and maintained velocity in JIRA. • In depth knowledge of Java Git Maven Eclipse Stash JIRA. • Worked in Agile Methodology with weekly sprints. • Worked in Agile Framework with weekly sprint cycles and 5 week releases. • Maintained and updated 723+ test scripts of WSOD APIs in Fitnesse (Java based REST API Testing tool). • Created tasks, sub tasks and maintained proper QA velocity using JIRA and Rally • Logged and maintained 70+ defects using JIRA. • Extensively used and maintained Perforce (Version Control System) updates to WSOD Test scripts. Monitored and resolved merge conflicts. • Added and maintained data for 127+ courses in various environments used by various WSOD APIs • Verified database SPROCs (collection of queries) to remove duplicate data and to ensure that database updates are in place. • Monitored prospero eventing logs and release APIs using Splunk. Created charts for reporting team and management of the behavior. • Maintained and created 40+ test cases for UI Eventing testing using Test Link (Test Case Repository). • Extensive documentation of tools and concepts like Splunk, startup tools etc. for on shore and off shore SQEs.

Company and Project	Betasoft Systems Inc., San Jose, CA, United States In house Project
Role	Software Quality Assurance Intern
Duration	26-Oct-2011 to 26-Apr-2012
Domain	Software
Technology	Java Cucumber JUnit Rally SOAPUI SQL TestNG
Project Description	<ul style="list-style-type: none"> • Selenium UI Automation Testing for Credomobile.com website • Created test cases and test scripts for CredoMobile.com website and performed automated testing based on BRD and FRD. • Created and maintained TestNG test cases for API testing • UI automation using Selenium and Java for functional testing • Data base testing using MS SQL 2008 server.