**NAGARAJ** **TALAPADY**

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**Professional Summary**

* A dynamic professional over **14 years** of rich & extensive experience on **Functional, Automation** and **performance testing**. Experienced in **DevOps (CI/CD)** automation process.
* Experienced working in **API (SOAP/REST).** Experienced in the areas of **Software Development Engineer in Test (SDET).**
* Excellent in test automation framework development tools **Selenium** Web Driver **BDD** (**Cucumber**/**Spec flow** **JAVA/C#)**. Exposure to the **TDD**. Experienced in **Cypress** test automation.
* Experienced on **Python** scripting for **DevOps (CI/CD)** and Test Automation process.
* Managed **environments** DEV, QA, UAT and Staging for various releases as per DevOps engineering process.
* Good knowledge on **Docker/Docker hub**, Testing and deploying the code on **Docker containers**. Taking **backup** **of containers** (images) to server. Exposure to the **micro service architecture**.
* Good Knowledge on **Public Cloud Environments** like Amazon Web Services and used services like EC2, ELB, Auto Scaling, VPC, RDS and S3. Exposure to **Terraform.** Exposure to **Elasticsearch/ELK Stack**.
* Integrating **Jenkins with Chef/Ansible** to achieve the complete automation of the project. Jenkins to perform the CI action and **Chef/Ansible** to perform the Deployment.
* Extensive knowledge on source code management tool **GIT and GIT Hub**.
* Working experience on source code management, CI /CD, configuration management and cloud environment.
* Created automated build and release environment using **continuous integration tool like Jenkins.**
* Exposure to **Kubernetes**. Exposure to **Ansible** and Exposure to **Azure-VSTS**, **GCP**.
* Experienced in **management activities** such as Test and **release Management**, Defect Management, Gap Analysis, Resource **Planning/Effort Estimation**, Team Management, **Bidding activities**, Risk Management and Stakeholder Management.
* Expertise in **Test analysis, execution** and **defect management, security testing,** **vendor/supplier/customer interactions**, evaluation/support/**administration of test automation**, risk/compliance/governance management in a structured and controlled process oriented environments like **Agile-Scrum**, **V-Model** and **Water Fall** frameworks.
* Well versed with Quality processes, **STLC** (Software Test Life Cycle), Change and Release Management, **Pre-System Go-Live activities and live system monitoring**.
* Experienced in conducting various **technical trainings to team** as per project requirements. Managing team functions like sustainability, planning, recruitment and performance review of individual team members.
* Expertise in **problem analysis, resolution skills** and **decision making** for effective solutions leading to high customer satisfaction with low operational costs.
* Year **2016 received appreciation from CGI vice president** for the great work and my effort towards success of the organization.
* I’m member of Toastmasters International USA and council member of district82 during year 2011.

**Skills**

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| * **Tools and Technologies:** Selenium Web Driver, Cypress, BDD-Cucumber/spec flow, JUNIT, UFT, Test Partner, Visual Studio 2010, Fitness, Wireshark, win runner, Soap UI. Load Runner, QA Load, Groovy scripting, Postman. Jmeter, Load Runner. Renorex, TestNG and Node.js. Exposure to Big Data (Hadoop), LOG4J, Jenkins, Chef, Docker, Puppet, SDET, Appium, ANDROID STUDIO, Renorex. * **Card Payment& Authorization:** ISO8583 requirements, ISOLINK/IFSF specification understand, Clear2Pay INQ POS simulation tool and test execution automatically, E2E POS testing. * **Test Management Tools:** HP ALM/OTA, Bugzilla, XStudio. Jira, Team Foundation Server (TFS). * Agile Methodology. | * **SCM Tool**: Subversion (SVN), Git/Git Hub. * **Operating Systems:** Unix, Linux, Windows7/10,Windows XP * **Exposure to Cloud Technologies:** AWS and Azure * **Databases**: SQL Server (2005/2008/2008 R2/2012/2016) * **Programming Language:** C, C++, C# & core .NET frame work, core Java. VB/VBA, Perl, Python. * **Domain Exp:** Energy and Utility, Fuel Card, Public Sector, Banking and Finance, ERP, Health/Hospital. |

**Certifications**

* Test automation and DevOps areas of certification perused from udemy.
* Advanced Level ISTQB certification completed with good score.
* Bachelor of Engineering in Electrical and Electronics (E&E) in the year 2004, from [visveswaraiah Technological University](http://www.vtu.ac.in/), India.
* Awarded as COMPETENT COMMUNICATOR (CC) and COMPETENT LEADER (CL) certification from toastmasters international, USA.

**Experience**

**Test Automation, SDET, DevOps (CI/CD) Engineer**  **4/2019 to Current**

**IMServ Europe Ltd United Kingdom**

* Monitoring daily builds using continuous integration tool Jenkins. Involved on environment management on deployment process controlling as per DEVOPS CI/CD automation processes using Azure-VSTS devops pipeline component.
* Involved on writing, reviewing and execution of test script/cases manually. Executed regression tests suite using automation tool Selenium web driver, specflow, C# (BDD and POM framework). This conducted as per DEVOPS CI/CD processes.
* Involved in Kubernetes docker container managing in azure services resource group for running app.Scaling containers in Azure. Used PowerShell commands to run CI/CD flow. Azure artifacts for repository maintenance, editing yml file, Azure devops dashboard managing.
* Managing E2E testing of the UK smart meter the SMETS1, SMETS2 and non SMETS meter installations and removal and demonstration to the client. Reporting defects/issues on HP ALM, TFS (Prepared test strategy document).
* The SMETS1, SMETS2 (Electricity and GAS) Defect triaging. Supported SIT, UAT and OAT testing phases.
* The DCC P&C, WAN check messages, verifications using internal systems.
* The transactions, Billing, invoice and finance/banking system functionality testing. The Credit Limit management (CLM).
* Involved on the [TDD](https://blog.testlodge.com/what-is-tdd/) (Test Driven Development), as supporting tasks to the development team.
* Involved on writing functional test cases as per business requirements. Exposure to the scripting on PowerShell.
* Release planning and scoping of new and regression test cases.
* Worked with agile/scrum methodology/process, involved on the show&tell.
* The Dockers container, image creation for required software installation on host and remote servers.   Understanding of standard networking protocols and components such as: DNS, TCP/IP and Load Balancing.
* Restful API testing request and response validating. Created, updated and Verified Web services API requests data as per business need.
* SOAP UI web services API xml messages test cases automation using groovy script. API messages logs verification WSO2. Provided the technical leadership and build test automation suites frameworks on SDET platform.
* Mobile software terminal hand held device (THD), black box set up box of smart meter, in-house application testing both functional and automation using mobile emulator and real device. Appium Selenium spec flow web driver automation.
* Developer code analysis using Eclipse and Visual studio IDE. Experienced on working with test automation framework (C#/.NET or Java application development environment). Python Scripting on need basis.
* Database (DB) backend testing (SQL/oracle DB), as part of SDET (automation scripts converted the database data to API).
* Exposure to the software development process. Involved on creation of the window batch file and monitoring server and read the server logs on SDET platform.
* Experienced in CI/CD pipelines (Jenkins Plugin/Groovy DSL text file) by integrating Git, Maven, Jenkins, and Chef/puppet.
* Worked as SDET to optimise the automation code and installation app on different server using docker container, test automation using selenium Grid concept in the CI/CD environment.

**DevOps (CI/CD) Engineer and SDET** **10/2017 to 12/2018**

**CGI UK IT Group United Kingdom**

* Experienced in CI/CD pipelines (Jenkins Plugin/Groovy DSL text file) by integrating Git, Maven, Jenkins, and Chef/puppet. Involved on SDET process.
* Involved in completely handled Builds, Packaging and Source Code for multiple products.
* Involved in Automating build process for creating JAR/WAR artifacts using Maven
* Exposure on Amazon Web Services (AWS), Creating EC2 Instances and configuring all necessary devops services used Terraform.
* Involved in Release management like planning, scheduling, and deploying Releases. Python Scripting on need basis.
* Creating new jobs in Jenkins and managing the build related issues.
* Debugging compilation and runtime issues in build failures. Notify Broken builds to appropriate stakeholders and enable for successful builds.
* Involved in job scheduling for daily and nightly build activity using Jenkins. Exposure on Builds, Deployment of apps into different Environments.
* Exposure to the day to day Build and deployments of the hospital Management System into Dev and QA servers.
* Setup and configuring jobs in continuous integration tools Jenkins for project builds.
* Apache server life cycle operations like Start / stop / restarting the servers. Responsible for automated Scheduled Builds/Emergency Builds and Release using Maven.
* Used Shell scripts to automate the delivery process. Selenium web driver test automation POM framework using C# and BDD spec flow gherkin language. Cypress tool test automation.
* Exposure to the SSL certificates configuration to the server. Understanding of the micro services app and network.
* Involved on the TDD (Test Driven Development), as supporting tasks to the development team.
* Involved on creation of the window batch file and monitoring server on SDET platform.
* The Dockers container, image creation for required software installation on host and remote servers.   Understanding of standard networking protocols and components such as: DNS, TCP/IP and Load Balancing.
* Involved on cloud formation AWS/Azure. Involved in Kubernetes docker container managing in azure services resource group for running app.Scaling containers in Azure. Used PowerShell commands to run CI/CD flow and used Azure artifacts for repository maintenance, editing yml file. Data analysis using Elastic search/ELK,Stack Kibana Dashboard for running api document.

**DevOps (CI/CD) Engineer and SDET** **6/2015 to 10/2017**

**CGI UK IT Group United Kingdom**

* Team leading cum test manager for team of 12+, assigning tasks to team and tracking progress of the same. Motivating team to work. Windows 10 and Linux scripting for server application compatible testing before GO LIVE/incident management with application support team.
* Involved in discussion with client and smart meter manufacturers as part of SI requirements on test plan, test strategy, CPL and test status etc. Ensured the system integration testing completed within time lines and project budget.
* Lead for device compliance- SPOC from CGI and liaising with client and vendor/stake holder as required.
* Involved on writing, reviewing and execution of test cases on need basis embedded and application software testing using Selenium web driver, Cucumber, BDD. AWS cloud computing environment to meet project delivery scheduled.
* Played role as SME (subject matter expert) UK smart meter system [SMETS1, SMETS2] for India and UK wider team.
* Involved in discussion with client, third party vendors as required. Supported SIT, UAT and OAT testing phases.
* HP ALM customisation as per project need and to put test cases on embedded and application software testing.
* Test Execution (manually and automation in devops CI/CD platform), supporting to team on technical issue analysis and resolution. Involved with CSPs test discussion, test supporting, greatly appreciated same by client. Good understanding of Service requests and xml preparation by going through the DUGIS document. Involved on discussion with CGI and CSP team (Arqiva/Telefonica/O2) on daily basis.
* Knowledge on SMETS2 testing. Involved working with test automation team using selenium and java scripts framework.
* Involved on ETL and Data Warehouse Testing. Functional testing of black box set up box simulation of smart meter.
* JSON message API testing using postman. SOAP UI web services API xml messages test cases automation using groovy script. Involved on security testing (pen testing, fuzzing).
* Worked with agile/scrum methodology/process and cloud computing environment to meet project delivery, scheduled.
* Involved in server configuration using Chef/Ansible. Involved on nonfunctional/ Performance testing.
* Involved in Kubernetes docker container managing in azure services resource group for running app.Scaling containers in Azure.Data analysis using Elastic search/ELK Stack Kibana Dashboard for running api document.

**Senior Test Automation/DevOps (CI/CD) Engineer**  **10/2011 to 06/2015**

**CGI UK IT Group United Kingdom**

* Involved on testing of shell fuel cards online authorisation and payment area, using INQ POS simulation tool (clear2Pay product), via LCASS postilion system using Fleetcor ATLAS authorization application.JSON message format API testing. Involved in preparation of the shell fuel card/payment authorization testing strategy, test plan and test cases.
* Discussion with shell (client), fleetcor (product vendor), and with UK counterpart SME’s, architect team. Involved on client demos and discussion on requirement gathering with shell SMEs.Played role as SME (subject matter expert) in the project. Supported the program by working in UK on long-term onsite assignment and received couple of appreciation.
* Understanding of financial market concepts around Interest Rates/Credit Derivatives; Trade Lifecycle using finance/banking system Microsoft AX and other banking TPA.
* The transactions, Billing, invoice and finance/banking system related functionality testing. Credit Limit management (CLM).
* Involved on supporting for H3 test automation team on functionality understanding and helped team on building REG test pack using automation tool Renhorex and selenium.
* Selenium web driver test automation POM framework using C#, Python Scripting and BDD spec flow gherkin language.
* Supported the program for predata migration cutover support during applications go-live period (live site switchover testing as per business need).Supported the program on fixing of production issues and E2E testing of the same.
* Discussions with environment team, architect team on need basis, UK DBAs on technical issues and suggesting solution/fix. Involved on Shell Fuel card system E2E testing (customer, card creations Configuration process and then E2E transaction and then generation on invoice up to payment/credit management). Tested application both front and back end/database SQL oracle as per business need.
* Involved on test environment management on various delivery process controlling as per DEVOPS, CI/CD process.
* Windows 10 and Linux scripting for server application compatible testing before GO LIVE.
* Have experience of DTT (DVB) and IPTV testing projects. Familiar with video &amp; audio encoding standards.
* Worked with agile/scrum methodology/process and cloud computing environment to meet project delivery, scheduled.
* Involved in server configuration using Chef/Ansible. Supported SIT, UAT and OAT testing phases.
* The Dockers container, image creation for required software installation on host and remote servers.   Understanding of standard networking protocols and components such as: DNS, TCP/IP and Load Balancing.
* Worked in Azure and AWS Cloud. Involved on nonfunctional/ Performance testing using Loadrunner.

**Test Automation, Nonfunctional/Performance Testing 9/2010 to 10/2011**

**CGI UK IT Group India/United Kingdom**

* UK Law Society public sector application requirements gathering and involved Functional and Unit testing.
* Test Lead Automation using Visual studio and C# selenium web driver.
* Served in this project as key team member both in gaining knowledge of the product and implementation of the Test Automation Frame work by using UFT Tool. Involved on training of the Tool and UFT action driven Test Automation Frame Work, for both onshore and offshore team. This helped within the team members to come out from the dependencies on their assigned activities. Supported SIT, UAT and OAT testing phases.
* Involved on nonfunctional/Performance testing using Loadrunner.

**Norway Smart Metering Module Lead (Senior Functional, Automation Tester) 3/2007 to 8/2010**

**CGI UK IT Group India/Norway**

* Served in this project as key team member both in gaining knowledge of the product and implementation of the Test Automation Frame work by using UFT Tool. Involved on training of the Tool and UFT action driven Test Automation Frame Work, for both onshore and offshore team. This helped within the team members to come out from the dependencies on their assigned activities.
* Functional/manual systems integration testing and non-functional/ Performance testing.
* Application Requirement gathering and functional test plan, test strategy and test case creation.
* Test Execution and defect raising, defect triaging using jira. Agile and scrum methodology. GUI and API testing.
* The finance/banking customer billing system ledger, transactions and invoice functionality testing.
* Involved on nonfunctional/ Performance testing using Jmeter.

**Module Lead (Senior Manual and Automation Tester) 1/2006 to 2/2007**

**FCG Software Services (India) PVT LTD. India/USA**

* Functional and non-functional/ Performance testing. Regression, UAT, system integration testing (SIT).
* Xcitek Solutions Plus finance and banking system requirement understanding. Testing application functionality against manual test cases. Financial reporting testing. API integration testing
* The manual testing of the transactions, billing, invoice generation. TPA application related to the finance/banking system. Credit Limit management (CLM).
* Module development using C#, .NET core framework.
* Eclipse source code unit testing using maven build.
* Involved on nonfunctional/Performance testing using Load runner.