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**PARTHA PRATIM GHOSH**

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**Profile Summary**

* 13+ years of experience of IT field, 10+ years extensive experience in Software Test Automation with various tools such as Selenium Web Driver using JAVA, Python, Java Script/TypeScript with WebdriverIO / Cypress and Node JS, Cucumber, UFT (QTP) Vb script. Diversified experience in working with applications in Client Server, Web Based, CRM(Sales Force),Mobile Automation, JAVA, .Net projects, Web Services (SOAP and Rest)
* Designed and implemented automation framework Exclusively to support modern front-end technologies (React and Angular) using JavaScript/Typescript, WebdriverIO / Cypress NodeJS , GitHub which can be easily integrated with the build pipeline
* Designed and implemented different automation frameworks from scratch like Page Objects framework, Keyword Driven framework, Data Driven framework and Hybrid framework for a number of projects using JAVA, Maven, Cucumber and TestNG
* Extensive Experience in web services testing (SOAP, Rest, Microservices). Designed and implemented backend rest API framework using java and Rest Assured. Also used Karate framework for API automation
* Extensive experience working in Digital Transformation project, which involves full stack development including DevOps Implementation on cloud. Have Exposure to AZURE Devops and AWS ecosystem
* Expert in managing the pipeline continuously to support the continuous integration and continuous development using Jenkins, Azure pipeline, Pivotal cloud foundry (PCF), Fly etc.
* Designed and implemented GUI based automation framework using Mongo DB in backend, NodeJS and java script/Type Script
* Experience with Performance, Reliability, Stress, Load, Security, High Availability testing
* Expert in Mobile test automation using Appium for both Native and Hybrid app in Android and IOS
* Experience in executing parallel scripts for cross browser testing using selenium grid and VM and Docker Containers. Dockized the test execution using Selenoid to support the faster execution and cross platform support.
* Extensive experience in different SDLC models like agile methodologies (Scrum, Kanban), waterfall model**.** Expert in both TDD and BDD process.
* Participated in all phases of the test cycle including Sanity Testing, Functional Testing, Integration Testing, System testing (on IE, Chrome, and FF), and Regression Testing.
* Expert in database validation by writing SQL queries. Expert in ETL-Data warehouse (DW) testing using Informatica. Performed data validation using complex sql and excel macro
* Experience includes Strong footing in Test Project Management which includes effort estimation, assigning the tasks, Preparation of Test plans and Test Strategy, provide regular status report to the Management, identify and escalate issues and risks in a timely manner to the management.
* Having experience in leading geographically distributed and diversely skilled team and ensure the best performance of the team and fast paced Agile- devOps cycles
* Good customer facing skills.Ability to lead bigger project teams and has good experience leading large testing teams. Have extensive experience in Onsite-offsite Model
* Having knowledge in Bigdata-Hadoop ecosystem HDFS, HBase, Hive, Sqoop, Flume, Java MapReduce, Python, Pig programming, Hadoop Streaming, HiveQL. Did some QA related work for Hadoop products

# Professional Experience

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| Technical Knowledge |
| Open source Automation | Selenium, Web driver, WebdriverIO, Cypress, Playwright Cucumber, maven and Jenkins, Appium, protractor, puppeteer, Devtools, JMeter, Karate, robot framework, RedhoodHQ, selenoid |
| Testing Automation Tools | Tricentis Tosca, UFT/QTP, BPT, Silk Test, Win Runner 7.0, Quality Centre. HP LoadRunner |
| Cloud Stack Exposure | AWS, AZURE |
| Test Management Tool | ALM, JIRA-ZEPHYR, Azure Test Plan |
| Operating Systems | Windows, UNIX |
| Programming Languages | Java, Python, VB scripting, Java Script, Type Script, Node JS ,Shell Scripting, VB Scripting, Perl scripting, python, shell scripting, HTML, Silk test 4t Test, Perl |
| Databases  | SQL Server, Oracle, DB2, Mongo DB, HBase |
| Exposure to | Big data Hadoop, Pig, Hive, HBase, Angular Js, React Js |
| Source Control Tool | Win CVS, VSS, TFS, GitHub |
| CICD/Pipeline | Jenkins, Pivotal cloud foundry (PCF),Fly, Azure Pipeline |
| RPA Exposure | Ui Path |
| Monitoring tools Exposure | New Relic, Splunk, Dynatrace |

**Projects Undertaken**

**1. ABS – Fleet Navigation System Houston, TX**

 SDET Lead – Automation June 2023 to Till Date

**Environment:** Selenium, Java, Cucumber, Maven, Rest Assured Jenkins, Azure Devops, Appium, SauceLab, SAP, Python, Rest assured, Azure Functions, Event grid, service bus, cosmos DB, Logic and Function App

**Responsibilities:**

* I am working as QE Automation lead, and responsible for all framework design and enhancements.
* Integrated the framework with Azure pipeline. Set up the CICD pipeline and suite is executing on docker instances
* Designed and implemented Mobile test automation suite for both Native and Hybrid app.
* As a QE lead participates in all critical project meeting of Release planning, sprint planning, retrospective meeting, Go-NoGo meeting.
* Responsible for managing production defects within the support function by closely working with the operations.
* Responsible for publishing different test metrics to management on a regular basis to status update on different areas like progress report, execution status, defect status etc.

**1. Costco – Wholesale Houston, Texas**

Deloitte | QE Lead – Automation  **June 2022 to Till May 2023**

**Environment:** Selenium, Java, Cucumber, Maven, Rest Assured Jenkins, Azure Devops, Appium, SauceLab, SAP, Python, Rest assured, Azure Functions, Event grid, service bus, cosmos DB, Logic and Function App

**Responsibilities:**

* I am working as QE Automation lead, for Costco Membership and depot application and responsible for all the releases.
* Developed and implemented the automation framework using Selenium, Java, Cucumber Maven

which can be easily used to automate applications in Full Stack technology environment. (Mobile, Rest API, Browser, Back End)

* Designed and implemented Mobile test automation suite for both Native and Hybrid app.
* I am responsible for managing the automation pipeline in Azure Devops
* Was responsible to integrate the framework with DevOps pipeline with online dashboard and reporting.
* Coordinate with team members for testing activities, participating in Requirements grooming sessions, & Use Case / User Story Reviews, and conduct QA analysis & test support activities.
* Implemented and designed the Continuous integration and development automation framework (CI/CD Pipeline) using selenium web driver, cucumber, maven, Jenkins and GitHub
* As a QE lead participates in all critical project meeting of Release planning, sprint planning, retrospective meeting, Go-NoGo meeting.
* Responsible for managing production defects within the support function by closely working with the operations.
* Responsible for publishing different test metrics to management on a regular basis to status update on different areas like progress report, execution status, defect status etc.

**2. JP Morgan Chase Houston, Texas**

Deloitte | QE Lead – Automation November 2021 to June 2022

**Environment:** Selenium, Java, Maven, Maven, Rest Assured Jenkins, AWS, Dynamo DB, Redshift, S3 Bucket, Appium, Sauce Lab, SAP, Python, Karate, Splunk, Solenoid

**Responsibilities:**

* I have worked as QE Automation lead, for was responsible for managing QA releases.
* Developed and implemented the automation framework using Selenium, Java, Cucumber Maven

which can be easily used to automate applications in Full Stack technology environment. (Mobile, Rest API, Browser, Back End)

* Was responsible to integrate the framework with DevOps pipeline with online dashboard and reporting.
* Coordinate with team members for testing activities, participating in Requirements grooming sessions, & Use Case / User Story Reviews, and conduct QA analysis & test support activities.
* Implemented and designed the Continuous integration and development automation framework (CI/CD Pipeline) using selenium web driver, cucumber, maven, Jenkins and GitHub
* As a QE lead participates in all critical project meeting of Release planning, sprint planning, retrospective meeting, Go-NoGo meeting.
* Responsible for managing production defects within the support function by closely working with the operations.
* Responsible for publishing different test metrics to management on a regular basis to status update on different areas like progress report, execution status, defect status etc.

**3. Home Depot – DevOps – BAND Group Dallas, TX**

**Home depot | QE Lead – Automation**  **November 2019 to November 2021**

**Environment:** WebdriverIO, Cypress, JavaScript, Java, Springboot, Maven, GitHub, pivotal cloud foundry (PCF), Fly, Microservices, Appium, Android, IOS, UNIX, puppeteer, Devtools, Python, New Relic Dashboard, Selenoid

**Responsibilities:**

* I am responsible for releasing and signing off the home depot product information page (PIP) from stage to beta and production.
* My responsibility is to make sure each of the feature switch (FS) can be easily integrate with master branch and not breaking the existing functionalities.
* Developed and implemented the automation framework using webdriverIO and JavaScript / Typescript

which can be easily used to automate applications in Full Stack technology environment. (Mobile, Rest API, Browser, Back End)

* Designed framework using spring boot and JAVA to perform the integration testing for each of the pull requests raised by the developers by automatically hosting the application in cloud.
* Designed and implemented Mobile test automation suite for both Native and Hybrid app.
* Designed and developed Performance Tool using Chrome Devtools, Puppeteer, Lighthouse, NodeJS
* I am responsible for managing the automation pipeline using pivotal cloud foundry, fly and GCP.
* Was responsible to integrate the framework with DevOps pipeline with online dashboard and reporting.
* Coordinate with team members for testing activities, participating in Requirements grooming sessions, & Use Case / User Story Reviews, and conduct QA analysis & test support activities.
* Implemented and designed the Continuous integration and development automation framework (CI/CD Pipeline) using selenium web driver, cucumber, maven, Jenkins and GitHub
* As a QE lead participates in all critical project meeting of Release planning, sprint planning, retrospective meeting, Go-NoGo meeting.
* Responsible for managing production defects within the support function by closely working with the operations.
* Responsible for publishing different test metrics to management on a regular basis to status update on different areas like progress report, execution status, defect status etc.

**4. CBRE – DevOps – Shared Services Group Dallas, TX**

Mphasis|DevOps QA Lead – Automation December 2017 to November 2019

**Environment:** Selenium Web driver, Java, Cucumber, Maven, Jenkins, Oracle, DB2, UNIX, Oracle, Microservices, AWS, Appium, Android, IOS, JIRA, rest API, Confluence, .net, Java script, Node.js, Mongo DB,HP LoadRunner, Cypress, Java script, Python

Applications: Sales Force, People Soft, Analytic applications, ERP Application

**Responsibilities:**

* I was responsible for the whole QA engagement of CBRE managing multiple teams consisting of Onshore and Offshore model(Maximum of 20 members)
* Have designed and implemented GUI based automation framework which can be easily used to automate applications in Full Stack technology environment. (Mobile, Rest API, Browser, Back End)
* Designed and implemented Mobile test automation suite for both Native and Hybrid app.
* Designed and implemented rest api automation using rest assured libraries
* Was responsible to integrate the framework with DevOps pipeline with online dashboard and reporting.
* Designed and implemented automatic defect filing system using rest api.
* Is responsible for managing the performance test labs for then CBRE Applications across the globe.
* Coordinate with team members for testing activities, participating in Requirements grooming sessions, & Use Case / User Story Reviews, and conduct QA analysis & test support activities.
* Implemented and designed the Continuous integration and development automation framework (CI/CD Pipeline) using selenium web driver, cucumber, maven, Jenkins and GitHub
* Implemented Web services (Rest api) automation using java and rest assured
* Is responsible for Automation Effort Estimation and Return on Investment (ROI), Cost Estimation, Scoping, Resource Loading and Planning.
* Implemented parallel and multi browser automation execution using selenium Grid and dockized the automation framework.
* Performed headless browser automation to reduce the execution time and validated the build quickly before going to the next phases.
* Is responsible for testing mobile application (native app, browser) both manually and using Appium
* Managed the end to end testing life cycle in agile process using JIRA.
* Moved Quality in the direction of Defect Prevention having test first approach where most of the issues are found very early in the design process
* As a QA lead participates in all critical project meeting of Release planning, sprint planning, retrospective meeting, Go-NoGo meeting.
* Responsible for managing production defects within the support function by closely working with the operations.
* Responsible for publishing different test metrics to management on a regular basis to status update on different areas like progress report, execution status, defect status etc.
* Support test environments and coordinate test data management for execution across multiple test instances and projects

**5. AIG Digital – VALIC ONLINE – Group Retirement**

 **Mphasis |DevOps QA Lead – Automation June 2014 to Till December 2017**

**Environment:** Java, Selenium Web driver, Cucumber, Maven, Jenkins, Oracle, Mainframe, DB2, UNIX, Oracle, Microservices, Appium, JIRA, Confluence, .net, Java script, React framework

**Responsibilities:**

* Leading the QA team and responsible for overall plan and strategy to be implemented.
* Coordinate with team members for testing activities, participating in Requirements grooming sessions, & Use Case / User Story Reviews, and conduct QA analysis & test support activities.
* Is responsible to implement QA process to fit in the AGILE model as Valic digital is migrated from waterfall model to AGILE to DevOps model
* Implemented and designed the Continuous integration and development automation framework (CI/CD Pipeline) using selenium web driver, cucumber, maven, Jenkins and GitHub
* Implemented Web services (Rest api) Automation using java and rest assured
* Is responsible for Automation Effort Estimation and Return on Investment (ROI), Cost Estimation, Scoping, Resource Loading and Planning.
* Implemented parallel and multi browser automation execution using selenium Grid and dockized the automation framework.
* Performed headless browser automation to reduce the execution time and validated the build quickly before going to the next phases.
* Is responsible for testing mobile application (native app, browser) both manually and using Appium
* Managed the end to end testing life cycle in agile process using JIRA.
* Moved Quality in the direction of Defect Prevention having test first approach where most of the issues are found very early in the design process
* As a QA lead participates in all critical project meeting of Release planning, sprint planning, retrospective meeting, Go-NoGo meeting.
* Responsible for managing production defects within the support function by closely working with the operations.
* Responsible for publishing different test metrics to management on a regular basis to status update on different areas like progress report, execution status, defect status etc.
* Support test environments and coordinate test data management for execution across multiple test instances and projects

**6. Plan sponsor Portal (PSP) –RPS Information Management**

 **Mphasis|** JP Morgan | Project Lead JAN 2012 to JUN 2014

 **Environment:** Selenium Webdriver, Cucumber, Maven, Jenkins, Oracle, Mainframe, DB2,UNIX,Oracle

 **Responsibility:**

* I am the QA lead from RPSDW (IM) side and am leading the QA team.
* Implemented and designed the BDD framework using webdriver, cucumber, maven and jenkins
* Participating in all critical project meetings and reviews
* Implemented AGILE methodologies in RPSDW Project
* Implemented and automated BO reports automation using excel macros for data comparison
* Successfully implemented testing strategy for Data warehouse and Data Mart
* Was responsible for Test data planning and provided solutions to the technical team on the data load strategy to test the Business scenarios
* Provided test estimates and schedules to management and plan test execution
* Coordinate creation of all testing deliverables, including test scripts
* Was responsible in maintaining the SIT (test environment) for regression cycles and planned accordingly data refresh on a regular interval
* Coordinate the request and scheduling of the test environment
* Monitor and control the test execution and defect resolution
* Ensure resolution of testing issues and help developers to fix defects
* Was responsible for preparing all kind of Test release reports and Sign off reports
* Was responsible for Task assignment and preparing all kind of status reports(WSR,MSR)
* Performed the performance testing of BO Reports.
* Acquire needed testing staff – Test Designers, Test Execution Technicians, etc.

**7. Retire Online (ROL Application) USA.**

 Mphasis |JP Morgan |Project Lead – Automation JAN 2011 to Dec 2012

 **Environment:** selenium-java, DB Visualizer, SQL Developer, Oracle, Mainframe, DB2, UNIX

 **Responsibilities:**

* Leading the automation team towards designing and implementing the framework
* Participating in all critical project meetings and reviews
* Automated 90% of the functionalities with a pass percentage of 95% on 1st run
* Was responsible for Test data planning and provided solutions to the technical team on the data load strategy to test the Business scenarios
* Provided test estimates and schedules to management and plan test execution
* Coordinate creation of all testing deliverables, including test scripts
* Was responsible in maintaining the SIT (test environment) for regression cycles and planned accordingly data refresh on a regular interval
* Monitor and control the test execution and defect resolution
* Ensure resolution of testing issues and help developers to fix defects
* Was responsible for preparing all kind of Test release reports and Sign off reports

**8. RPS Homecoming 2009, India**

 **Mphasis |**JP Morgan Chase| Automation Test Lead JAN 2009 JAN 2011

 **Environment:** QTP 9.5, Quality Center, VB Scripting, J2EE, Oracle, Windows

 **Responsibilities:**

* Leading the Automation team in terms of technical needs
* Participating in all critical project meetings and reviews
* Prepare the test plans as well as to develop and execute the test scripts.
* Doing the Automation Feasibility Checkup and tool evaluation
* Doing the Automation Framework Design and implementation
* Provide test estimates and schedules
* Automation script Development using VB Scripting. Also designed the utility functions and review those
* Identify test-related training needs for the project
* Coordinate the request and scheduling of the test environment
* Monitor and control the test execution and defect resolution
* Conducting Automation demo work with the functional team.
* Ensure resolution of testing issues
* Was responsible for preparing all kind of Test release reports and Sign off reports
* Doing the regression testing for the regular builds
* Performed the performance testing of RPS applications

**Prior Experiences**

**8. Recovery Analytic Reporting Environment (RARE)**

Project Lead| JP Morgan Chase / Mphasis JAN 2009 to OCT 2009

 **9. AWM Data Center Migration**

QA Lead| JP Morgan Chase UK / Mphasis JAN 2008 to DEC 2008

**10. Next Generation Telecom Billing**

 Senior system Analyst| Verisign / Mphasis MAY 2007 to JAN 2008

**11. Face Time Security Products RTG, IMA**

System Analyst| Face Time India OCT 2005 to MAY 2007

**12. Fidelity Investments India PVT Ltd**

Software Engineer| Fidelity India, Bangalore APRIL 2004 to OCT 2005

**Education**

Bachelor of Mechanical Engineering – National Institute of Technology Agartala (NITA)