**Naresh Kumar**

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**PROFESSIONAL SUMMARY:**

* As a versatile **SDET Engineer** with 9+ years of expertise in UI automation and manual testing across diverse domains. My proficiency lies in validating and testing **web-based**, **mobile**, and **web services** applications. I possess a strong command of **Java** and **Selenium**, leveraging them to conduct efficient and reliable automation testing. Moreover, I am highly skilled in **API automation** and **functional** testing, ensuring robust and accurate validation of software systems.
* Actively involved with **Agile** and **Scrum** methodologies and capable of collaborating with cross-functional teams to deliver high-quality **Web/mobile applications**.
* Expertise in different phases of Software Testing Life Cycle (STLC) and Software Development Life Cycle (SDLC) including methodologies like **Waterfall & Agile/Scrum**.
* Experienced in analyzing requirements and developing test planning and test strategy.
* Proficient in writing and maintaining **automation scripts** using various languages such as **Java, Python, JavaScript** for use on Sauce Labs and Browser Stack.
* Skilled in writing Native app code test using **Swift XCTest**, Espresso with Kotlin with any Cloud services like **Sauce labs, Perfecto, Browser Stack, Seetest Cloud.**
* Experienced in **RobotFramework**, including designing, implementing, and maintaining automated test suites.
* Expert in developing Automation testing frameworks using **Web-driver**, **Appium** with JS.
* Extensive working experience on all phases of Software Development Life Cycle (SDLC), its methodologies such as **Agile, SCRUM** and **Waterfall Model.**
* Prepared Test Plan, Test Strategy, Test Data, Test Case, Test Result and Traceability Matrix in QTest And HP ALM Quality Center Tool.
* Involved in integration testing between PeopleSoft HCM and third-party Kronos application.
* Worked in **DevOps**, installing, configuring and integrating Automation scripts on Continuous Integration tools **(CI/CD)** like Jenkins for nightly test suite execution and working on knowledge on testing and configuring Amazon Web services (AWS)
* Expert in developing Behavior Driven development (**BDD/TDD/ATDD**) by writing gherkins language using cucumber tool, developed Scenarios, Scenario outlines, features and Step definitions and generating the cucumber reports
* Expertise in Manual and Automation Testing of Client/Server, Mobile, Web - based, API and Cloud **(AWS**) applications.
* Proficient in **Python** programming, with strong skills in writing clean, efficient, and maintainable code.
* Used **Protractor** to develop automated scripts to test the UI developed on angular JS platform in **CICD** Pattern.
* Implemented **Jenkins** Code Deploy plugin to deploy to **AWS** and used to automate the build process and deploy the application to **Tomcat server**.
* Used **Cloud Front** to deliver content from AWS edge locations to users, allowing for further reduction of load on front- end servers.
* Hands on experience using Messaging Services like **JMS, Kafka, Kafka Connect, Kafka Streams.**
* Specialized in **Performance Testing** applications using load-testing tool **JMeter** and **LoadRunner**.
* Experience in setting up test environment for automated script execution using **Java, Appium**
* Developed automation script for **Mobile Native applications** (IOS, Android) using Appium, Java.
* Hands on experience in creating the automation scripts both mobile and web using **selenium web driver and Appium,** UI Automator for Android, Appium Inspector for iOS, in C#(.NET) **Java and Python** programing languages.
* Strong Experience in **Java Programming, Selenium WebDriver and TestNG.**
* Experience in **Functional Testing, Data Driven Testing, Load Testing and Validating REST API** request and response using **SpecFlow** tool and **Cucumber** framework.
* QE professional with strong leadership potential and proven quality engineering abilities.
* Developed Test Scripts to implement **Features, Test Scenarios and Step-Definition** for BDD (Behavior Driven Development) using Cucumber (Gherkin’s format).
* Performed functional testing of web services using **Postman, SOAPUI and RESTful** web services.
* Skilled in Mobile Automation tools such as **Appium and See Test, as well as API Automation and Database testing.**
* Expertise in documenting defects with various test management tools like Quality Center, HP-ALM, POS, Rally, JIRA, Clear Quest, ServiceNow, Bugzilla.
* Involved closely with developers in Development of UI modules using HTML, **JavaScript JSP,** and **CSS.**
* Experience in **Functional Testing** (Unit Testing, Smoke testing / Sanity testing, Integration Testing (Top Down, Bottom-up Testing), Database Testing, GUI Testing, Security, Performance, Regression and Client Acceptance testing (UAT).

**TECHNICAL SKILLS**

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| **Testing Tools** | Selenium WebDriver/GRID/RC, Tosca, TestNG, SOAP UI, Cucumber, Cypress, Appium, Postman |
| **Language/ Script** | VBScript (UFT), C, C++, C#(.NET), HTML, XML, Java, Python, VB.net, ASP. Net, .NET. |
| **Frameworks** | Junit, TestNG, TDD, BDD, Mockito, Protractor, Jasmine, Spec flow, Data Driven |
| **Firefox Add-ons** | XPath, Firebug |
| **Web development** | HTML, VB Scripts, XML, CSS, Flash. |
| **SDLC Methodologies** | Agile-Scrum, Waterfall, SDLC, STLC |
| **Bug Tracking Tools** | HP Quality Centre, Bugzilla, TFS, JIRA, ServiceNow, HP ALM |
| **Build/ CI Tools** |  Maven, ANT, Jenkins, Git, Azure DevOps (ADO) |
| **Databases Technologies** | MS SQL Server 2000/2005, OLAP and OLTP, Oracle 9i/10g, MS Access 2000, TSQL, Oracle PL/SQL, SQL Plus, TOAD, SQL Loader, MYSQL |
| **Platforms** | Windows 7/8/10, UNIX, Linux |
| **Quality Assurance and Testing** | Creating test strategy, test plan, test cases, test data and test execution, creating and managing defects, generating test execution scorecards and test dashboards. |
| **Project Management** | Expertise in Sprint Planning, Sprint Review and Daily Scrum. Mentoring team members on requirements gathering and testing activities. Ability to interact professionally with a diverse group of individuals - including executives, managers, subject experts, developers, and field personnel |
| **Operating System** | MAC, Windows XP/7/8/10, LINUX |
| **Defect Management Tools** | JIRA, HP Quality Center, ServiceNow, Rally |
| **Database** | MY SQL, Oracle. |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google, Chrome, Safari |
| **MS Office Tools** | Outlook, Word, Excel, PowerPoint, MS Access |

**PROFESSIONAL EXPERIENCE:**

**TELUS – Vancouver, BC July 2022 – Present**

**Role: SDET/Automation Test Engineer**

**Responsibilities:**

* Reviewed and created the Test Approach, designed, and documented Test Strategies, Test Plan, Test Cases and executed test cases.
* Understanding Business and functional requirements, Creating Test Plans, Test strategy and Test cases for all functional requirements using HP Quality Center.
* Tested and wrote queries on Salesforce CRM tools work flow to test the repeatable process to eliminate inefficiencies and enhance productivity.
* Worked on backend applications to test the Eligibility and Enrollment data.
* Worked in documenting test scenarios, test cases, and executing the test cases during the execution phase.
* Delivered the first AI infused end to end claims solution.
* Used HP Quality Center for the test cases, test management, and defect logging and reporting.
* Tested Submitted Jobs in Batch and validated the data.
* Extensively worked on External interfaces IRS (Internal revenue Services) and SSA (Social Security Administration) to verify Income, SSN and Citizenship of household.
* Executed the test plans on web and mobile (Apple & Android) as per requirements using Appium tool.
* End to End Testing of the complete website which was developed using Angular.JS, JavaScript, HTML5, CSS3 and other web technologies.
* Using Swagger Ul as a API Documentation.
* Validated Approval, Denial, Discontinued and Pending notices SNAP, TANF, Medicaid programs.
* Automating the test scenarios in Tosca by comparing source (writing scripts as per requirement) and target (system’s output).
* Monitored Functional and Interface batch runs via Ctrl M and validate the logs and Random data validation.
* Responsible for identifying test cases for manual for Smoke Test, Functional and Regression Tests.
* Worked on various functionalities of Case Management System Enrollment, Account transfer, Eligibility, MAGI renewals and Notifications.
* Designed and Developed a platform level Automation Framework test Kafka real data streaming, REST APIS Using Java, TestNG, Maven and Jenkins.
* Worked on SNAP (Supplemental Nutrition Assistance Program), TANF (Temporary Assistance for Needy Families) and Medicaid.
* Expertise in writing SQL Queries using Oracle, SQL Server and Teradata in validating data into Data Warehouse/ETL applications.
* ETL testing experience using Informatica (Power Center/ Power Mart) (Designer, Workflow Manager, Workflow Monitor and Server Manager.
* Involved in Configuration &amp; Customization, Requirements/Business Analysis, Data Migration of Salesforce.com CRM.
* Experienced in analyzing business requirements and implementing them to Salesforce custom objects, master-detail relationships, lookup relationships.
* Worked with Perfecto Mobile for testing applications on different Versions of Android & iOS Mobile devices.
* QA planning and SQL database testing with reference to user story and tasks in Rally.
* Produced data quality control processes in ArcGIS 10.1 environment.
* Experience in Web Services Application Testing for Bank/Retail domain.
* Involved in testing the application utilizing the Scrum (Agile) methodology.
* Experience in testing REST API's, manually using Swagger UI/Postman.
* Successfully performed to tes Kafka Producer and Consumer data streaming.
* Developed automation script for Mobile Native applications (iOS, Android) using Appium, Java.
* Involved in testing and defined the test scenarios and created the test cases in Test Manager.
* Identified, Reported and Tracked Defects using Quality Center test management tool.
* Manually tested, verified and validated that the product meets user requirements.
* Exposure to Warehouse Management for Retail E-Commerce domain.
* Developed and executed SQL queries to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes.
* Performed functional testing of SOAP and RESTFUL Web Services using SOAP UI Tool.

**Environment:**Selenium WebDriver, Java, TestNG, Angular JS, Protractor, LoadRunner, Salesforce, cucumber, Jenkins, Agile, SQL, Maven, AWS (EC2, S3, VPC, ELB) , DHTML, SOAP UI, UAT, Rest API’s, JSON, XPath, Firebug, Eclipse, Appium ,Quality Center, UFT, HTML, GitHub, Windows 7,Unix, IBM Curam, JIRA, Qtest, EDM, AI systems.

**Capital one - Toronto, ON**   **Oct 2021 – June 2022**

**Role: QA Lead**

**Responsibilities:**

* Working as an automation tester for validating various features using **Selenium** with **cucumber** (BDD Framework).
* Worked on Insurance Product team for validating the tiles.
* Participate in product design reviews to provide input on functional requirements, product designs, test estimates, schedules, and potential risks.
* Developed and maintained automated smoke and regression test suites in Cypress using JavaScript programming langua and Mocha Framework.
* Worked with Service Cloud technology and on-premise infrastructure integration for Salesforce.com.
* Extensive Knowledge in Agile Methodology and participated in Sprint planning, Sprint Retrospective, Product Backlog Refinement, and daily Scrum meetings.
* Developed Test Scripts to implement Test Cases, Test Scenarios, and features for **BDD** (Behavior Driven Development), **TDD** (Test Driven Development) using Cucumber in Gherkins format.
* Experience in automating regression test cases using **Selenium WebDriver**.
* Developed BDD tests using Cucumber by writing behavior and step definitions & developed required Selenium support code in Java for Cucumber and Spring.
* Extensive experience in Web front-end and back-end test automation using Java, JavaScript, Selenium WebDriver and RobotFramework.
* Created Kafka Message Queues, Topics and Kafka Environment Using the chef scripts.
* Developed, updated, maintained and executed test cases for iOS and Android mobile technologies.
* Completed exposure to quality assurance, analysis and testing for client - server and web-based application with extensive noledge in teh POS.
* Tested ESRI/ArcFM/Custom made tools like Connect/Disconnect, trace, Work Order History Tool, Select by Attribute, Select by Location, Trace tool etc.
* Implemented Cypress automation framework to my team to ascertain that the crucial user-facing functions of the application and implemented Smoke and Regression Test to verify the existing functionality.
* Used to identify object locators and creating X-path using Firebug and had good knowledge of Page factory and POM in selenium, Worked with Log4J, Apache POI Library, J-unit.
* Involved in POS Testing projects for various brands in GAP - which includes executing test cases in POS System.
* Involved in enhancement of BDD framework, moved entire framework from hybrid to BDD by using POM, and creating Feature files, Step definitions, and Runner class. Using reports analyzed step by step fail and pass criteria.
* Troubleshoot any problems found within QNXT when testing the SQL database while validating against the business rules.
* Worked on Selenium **GUI** Object / element verification is done through XPath, CSS Locators.
* Responsible for developing the scripts to support **Jenkins** (Continuous Integration) of the scripts with the build server.
* Tested **REST** and **SOAP** Services by using **SOAP UI** tools and validated the responses against the database.
* Used **GitHub** to maintain and manage the build scripts, test data used, and other documents related to the project.
* Good hands-on experience on bug tracking tools like **Jira**.
* Hands on experience in Automation, ETL System Migration testing, Functional, System/Regression testing and unit testing with JUnit.
* Experience with dataset and map publishing ESRI ArcCatalog and ArcMap
* Worked on Maven for build and dependency management where I have added different dependencies such as Apache poi/TestNG/Maven-plugin-API etc. according to the requirement.
* Performed End To End testing using BDD framework with Cypress.
* Performed functional testing of web services using **SOAP** and **RESTful** web services using **POSTMAN** tool.
* Performed Cross Browser and parallel testing to test the applications are working as desired in different browsers and environments.
* Performed Positive and Negative testing for the claim manually to ensure the Claim Processing by using QNXT showing the expected results.
* Implemented the POS testing for POS sale payment transaction at application level.
* Experienced creating an automation test framework using C#, NUnit, Specfld, POM, etc.
* Expertise in Smoke testing, Regression testing, System Testing and **UAT**.
* Involved in the Continuous Integration of the automation framework with **Jenkins** with **Git/GitHub** repository.
* Worked with designing and building automation frameworks in **Gherkin/ Cucumber BBD**.
* Identify, track and manage system bugs using the issue tracking tool **JIRA** and **Zepher**.
* End to End Testing of the complete website which was developed using Angular.JS, JavaScript, HTML5, CSS3 and other web technologies.
* Involved in setting up continuous integration system using Jenkins and working knowledge with cloud-based code repository system like GitHub.

**Environment:**Visual Studio, Data Driven and Page Object Model Framework, Cucumber, Postman, Appium, selenium, MYSQL, Jenkins, Agile/Scrum, Gherkin.

**Best Buy – Vancouver, BC.**   **Nov 2019 – Sept 2021**

**Role: Sr.QA Analyst**

**Responsibilities:**

* Developed **Java/WebDriver selenium** framework from scratch and extended the capabilities for end-to-end validation.
* Write Test cases using **Element locators**, **WebDriver** methods, **Java** programing features and **TestNG** Annotations.
* Strong experience in Automating Web Application testing using **Selenium WebDriver** with **TestNG** framework.
* Worked on **Maven** for build and dependency management where I have added different dependencies such as **Apache POI/TestNG/Maven-plugin-API** according to the requirement.
* Created automation test scripts using data driven framework and Page Factory model to test the web applications using Selenium WebDriver with **JAVA** and **maven**.
* Created Python scripts to scan application log files for errors and exceptions. Maintain Python scripts to deliver logs files via the network SMTP Server. Utilization of QA Wizard Pro for smoke testing interim software builds.
* Expertise in using **Selenium Grid** to run test scripts on different platforms and against different browsers in parallel to save time.
* Massive knowledge & experience in Retail, Restaurant & Hospitality, Product Engineering, Mobile App. Embedded Systems and Firmware domains.
* Performed integration testing of POS system with hardware peripherals.
* Involved in Adding Contracts to the Provider in QNXT and associating Providers in Portal while creating claims.
* Used **Jenkins** to execute the test scripts periodically on Selenium Grid for different platforms like desktop, tablet and mobile.
* Performed Cross browser testing and parallel testing on Chrome, Firefox and Safari using **TestNG** and **Maven** on Selenium grid.
* Experience in developing Selenium automation framework using TestNG and developing Maven targets to execute automation suites.
* Worked with Point of Sales (POS) store application (APAL) dat basically deals with teh payments, billing and product sales datTEMPeffectively co-ordinates with teh APEX system.
* Designed and implemented Python scripts to set up automation test environments for testing features of switches.
* Performed functional testing of web services using **Postman**, **SOAPUI** and **RESTful** web services
* Reviewed test plans, test cases and test scripts to ensure consistency with strategic direction, goals and objectives of QA resources working on the project with **Agile SCRUM** methodology.
* Expertise in grouping of test suites, test cases and test methods for **regression** and **functional** testing using **TestNG** Annotations like **Groups**, **Parameter**, **Data Provider** and **Tags**.
* Utilized **Maven** to manage dependencies for test execution, plug-ins and created profiles of grouped test cases to run **sanity** and **regression** testing.
* Integrated **Jenkins** with version controller **(GIT)** and scheduled builds to run automatically during a build release by invoking predefined **maven** commands.
* Perform browser compatibility testing of application under various cross browsers (Safari, Firefox, IE, Chrome) using **HTML IDs and XPATH** in **Selenium WebDriver**.
* Involved in the usage of **BDD** framework to develop Cucumber Step Definitions, Scenarios and Features using acceptance criteria.
* Validated all kinds of Transactions in POS like sales, adjustments, returns, exchanges etc.
* Tested the portal application to make sure the claims, members are loading to Facets & QNXT and Providers can check the member eligibility and claim status.
* Used Splunk to search, analyze web application data and Monitoring logs.
* Utilized Apache POI jar file to read test data from the excel spread sheets and load them into required test cases.
* Administered and Engineered Jenkins for managing weekly Build, Test, and Deploy chain, SVN/GIT with MlcodeDev/Test/Prod Branching for weekly releases.
* Expertise in mobile automation using **Appium**, **selenium, java** in both **Android** and **IOS**.
* Thorough experience in **implementing Automation tools Selenium WebDriver, JUnit, TestNG, Eclipse, Git/GitHub, Jenkins, SOAP UI and REST with POSTMAN**.
* Worked with AWS cloud machines to setup **selenium GRID** and also Jenkins server on HUB machine.
* Used runner classes in cucumber to generate step definition and also used tags to run different kinds of test suites like smoke, health check and regression.
* Created profiles in maven to launch specific TestNG suite from Jenkins job
* Implemented **SOAP UI tool to test SOAP** based architecture application to test SOAP services and **RESTAPI.**
* Used the **Rest Assured** java library to automate Restful Web services.

**Environment:** Java, C#(.NET), JIRA, Jenkins, ALM, SOA Tester, Metadata, Eclipse, Splunk, Junit, Load Runner, Cucumber, HTML5, CSS, JBOSS, Oracle, Maven, JMeter, SVN, Node.JS, Selenium Grid, TestNG, Selenium WebDriver, Windows 7/XP/Vista.

**ACKO - India**  **Feb 2015 – Aug 2019**

**Role: QA Analyst**

**Responsibilities:**

* Designed and Executed Test Cases. Prepared the Traceability Matrix for mapping the Requirements with the Test Cases through **Quality Center**.
* Interacted effectively with peers, management and cross-functional teams to address and resolve issues
* Developed Test Scenarios against Software Requirement Specifications
* Performed Functionality Testing and **GUI** Testing.
* Tested REST and SOAP Services by using SOAP UI tools and validated the responses against the database.
* Worked on developing automation scripts using Selenium WebDriver with Junit Framework.
* Strong Experience in Java Programming, Selenium WebDriver and TestNG.
* Performed Backend testing by extensively using **PL/SQL** queries to verify the integrity of the database.
* Participated in weekly meetings with the management team and walkthroughs.
* Involved in Manual User acceptance testing with various combinations.
* Performed **Performance** Testing to identify abnormalities in the web application.
* Developed test cases based on business and functional requirements.
* Tested the final application for Usability testing to verify whether all the User Requirements were created to by the application.
* Maintained Requirement Traceability Matrix (RTM).
* Maintaining status reports and communicating with the Management regarding progress of work.
* After successful development and testing of the product, participated in User Acceptance Testing, product release and deployment to end-user.

**Environment**: Quality Center, JAVA, HTML, MS-SQL Server, UNIX, Windows, HP Quality Center (QC/ALM), JIRA, Selenium web driver, Junit, TestNG, Jenkins, JMeter, Agile, Postman

**Education:**

**Bachelor's in computer science and engineering - Shri Aandal Alagar College of Engineering - 2012**