**Nagarani Kammili**

**Phone: (425) 553 9986**

**Email:** **nagaranikammili@gmail.com**

**Software Development Engineer in Test (SDET)**

**CAREER OVERVIEW:**

§ **Software Development Engineer in Test** with **8** years of experience in Information Technology. Extensively worked on Web, API, Database and Performance test automation tools and frameworks. Experience on various domains like health care, mobile and logistics etc.

§ Experience in working with **RESTful** Web Services and implementing **RESTful API's** using **Java.**

§ Good experience in working on modern full stack **Angular** with **JavaSpring boot** environments.

§ **Expertise in designing Hybrid, data driven and BDD frameworks with Java Selenium WebDriver, Python Selenium WebDriver, TestNG, BDD Cucumber, Extent Reports, Cucumber Reports.**

§ Expertise in automating **Angular** and **React** Applications using Node JS UI Automation frameworks such as **Protractor, Jasmine.**

§ **Experience in designing, developing, and maintaining Test Automation Frameworks like Data Driven, Hybrid, BDD/TDD and Keyword Driven, Page factory, Page Object Model (POM).**

§ Developed and executed API test cases for SOAP and RESTful web services using **Swagger**, **SoapUI, Postman.**

§ **Experience in working with API automation using Rest Assured, Rest Client, Newman.**

§ **Experience in implementing the parallel testing using Selenium GRID.**

§ Used Continuous Integration/Continuous Delivery**(CI/CD)** tools **Docker, Jenkins** to deploy the builds to **AWS** and used **GIT** for Version Control of code for incremental development and day-to-day basis to maintain the code history.

§ Good expertise in scheduling jobs via **Jenkins** (Continuous Delivery) and Continuous Integration for automating the build and deploy processes allowing significant increase in test automation.

§ **Good experience in using Build management tools like ANT, Maven, Gradle.**

§ Proficiency working in Relational Database Management Systems including **MySQL, SQL Server, and Oracle**.

§ Followed **Agile Scrum** and **Waterfall, Agile Kanban** methodology of software development, which

satisfies the customer through early and continuous delivery of valuable software.

§ Involved in Test Planning, Test Preparation, Test Execution, Issue Resolution and Report Generation to assure that all aspects of a project follow the Business Requirements.

§ Expertise in using various defect-reporting and defect-tracking tools like **JIRA Zephyr, Rally, Bugzilla, and HP ALM.**

§ Experience in cross-browser, parallel testing using **Chrome, Firefox, Safari, Edge, IE browsers.**

§ **Integrating and executing the tests in Docker, Sauce Labs.**

§ **Specialized in performance testing applications using JMeter.**

§ **Experience with executing the various tests like sanity tests, integration tests, regression tests and UAT.**

§ Experience include Unit testing, Functional testing, User Acceptance Testing, Integration testing, System testing, browser compatibility testing & Security testing of client/server and Web Base Applications.

## TOOLS & TECHNICAL SKILLS:

§ **Web Technologies: HTML, CSS, ES6, AngularJS, XML, XSLT, JSON**

§ **Programming/Scripting Languages:** Java, Python, C#, JavaScript, Typescript, Groovy.

§ **UI & Functional Automation Tools/ Frameworks: Selenium WebDriver, Protractor, Appium, Rest-Assured, Rest Client, Newman, BDD Cucumber, JUnit, TestNG, Karma, LoadRunner, JMeter, SoapUI, Postman, Swagger, Servlets, Spring Core, JPA, ES6.**

§ **Reporting and other Frameworks:** Extent Reports, Protractor-cucumber Report, Java Mail, Apache POI, pdfReader, Sikuli, AutoIt.

§ **DevOps & CICD:**SVN, Git, Stash, Jenkins, TeamCity, Docker, AWS Cloud, Sauce Labs, Azure

§ **Databases: MySQL, SQL Server, Oracle, MongoDB and Snowflake**

§ **Build Tools:** Ant, Maven, Gradle

§ **Browsers:** Selenium GRID, Internet Explorer, Firefox, Chrome & Safari.

§ **Operating Systems: Windows XP/7/8, Mac OS, UNIX and Linux, Android.**

§ **Test Case Management Tools:**ALM QC, JIRA Zephyr, TestRail, XRAY, Rally

§ **Bug Tracking Tools:**Bugzilla, JIRA, Rally.

§ **Project Management Tool:** JIRA, Rally, Confluence

## EDUCATION:

§ MASTER OF COMPUTER APPLICATIONS (2006– 2009)Acharya Nagarjuna University

§ BACHELOR OF SCIENCES(2003–2006)Acharya Nagarjuna University

**PROJECTS**
**eBay, San Jose, CA          Feb 2020 – Till Date**
**Software Development Engineer in Test (SDET)**
**Responsibilities:**
- § Built the reusable service components using Angular 6 services with Object Oriented JavaScript, jQuery, HTML, CSS3 based on the visual designs.
- § Designed and developed hybrid framework and Integrated both UI automation framework developed using Protractor, with API Automation Framework developed using REST Assured.
- § Implemented custom reporting using Jasmine Reports, JSON Allure Reports, HTML reports.
- § Extensively automated regression and functionality test suites using Selenium WebDriver and Java.
- § Executed the scripts in cross- browser with Firefox, IE, and Chrome and cross platform testing in Mac, Unix, Windows.
- § Worked on API and Web Service Testing using Postman, REST Assured, TestNG for REST API Testing.
- § Build and automate the deployment of all the front- end components using Jenkins, cutting deployment time and the number of developers needed.
- § Maintained the version controls in bitbucket using GitHub.
- § Documented defects, errors, and inconsistencies in the application using JIRA and ALM.
- § Followed Pyramid Testing Model and involved mocking of unit tests.
- § Configured Jenkins Build job for continuous Integration and continuous Deployment.
- § Integrated Unit, component, regression, and smoke suites to each build using Docker, Git, Jenkins.
- § Automated the integration tests against the logs and messages of IBM MQ.
- § Integrated JIRA Zephyr testcases and Jenkins reports after the execution.
- § Involved in RCA meetings, Product enhancement meetings with Product owner and BA.
- § Helped in Configuring the Services, Commission, fee configurations for customers.
- § Guided the other QA in setting up the frameworks and Integrations.
- § Involved in the Defect Review Meetings, build meetings and release meetings to resolve the outstanding issues.

**Environment:** Angular 6, JavaScript, jQuery, Python, Java, Mockery, TypeScript, Protractor, Jasmine, BDD Cucumber, Appium, REST Assured, Rest API, IBM MQ, Postman, JSON, Vi sual Studio Code, Selenium WebDriver, Mocha/Chai , TestNG, POM, Maven, JMeter, GitHub, Jenkins, Jira, ALM, Docker, AWS Cloud, Windows 10, Oracle
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**Oportun, San Carlos, CA          Jan2016– Dec2019**
**Software Development Engineer in Test (Jr.SDET)**
**Responsibilities:**
- § Worked in the Agile Kanban environment with frequently changing requirements and features set.
- § Writing Asynchronous code on the server-side for fetching data and communicating with the front-end application using AJAX calls from the Front-End application using jQuery.
- § Involved with bug fixing on functionality, and performance issues with JavaScript/jQuery.
- § Used AJAX and JSON to make asynchronous calls to the project server to fetch data.
- § Responsible for front-end code testing using TDD & unit testing techniques.
- § Developed Smoke Tests on E2E UI & API Hybrid framework using Protractor, Jasmine for asynchronous and Angular friendly UI Automation.
- § Experienced in implementing mobile automation frameworks using Appium.

- § Coordinated with Project Managers to resolve risk issues and ensure compliance of Security System- Related to the Created and Executed Automated Test Scripts for Web application testing using Selenium WebDriver based on business rules and Annotated documents.

- § Automated and executed test cases and reported the defects in Jira.

- § Involved in implementation of Test Automation Framework build using Selenium WebDriver, BDD Cucumber and Maven technologies under Java platform.

§ Developed BDD Cucumber framework feature files, step definition files, maps and utils.

§ Responsible for implementing Page Object Model (POM) using Selenium WebDriver, TestNG and Java.

§ Worked with RabbitMQ messaging system, automated the API calls and logger management.

§ Implemented Selenium Web-driver to run Regression Tests on multiple platforms and browsers in parallel.

§ Responsible for documenting the Automated Test results using REST Assured for web services.

§ Daily used build tools like Maven and Jenkins to build and regression automated tests into CI processes and used GIT documented and tracked defects and produced detailed reports using Jira.

§ Performed the cross-browser testing using Selenium Grid.

§ Performed the Load testing using LoadRunner and JMeter.

§ Created POC's on E2E UI & API Hybrid framework.

§ Verified and validated the rate calculations and rate renewal calculations for different products and benefits by preparing and executing different SQL Scripts.

§ Prepared test cases for Navigational testing, Functionality testing and User interface testing.

§ Involved in the Defect Review Meetings, build meetings and release meetings to resolve the outstanding issues.

§ Worked on functional testing of SOAP and RESTful Web Services using SOAP UI Tool Wrote basic SQL queries to perform back-end testing for data integrity.

**Environment:** Java Spring, Angular JS, Protractor, Jasmine,Selenium WebDriver, Selenium Grid, BDD Cucumber, Newman, RabbitMQ Appium, TestNG, JSON, JIRA Zephyr, Jenkins, Maven, JMeter, UNIX, Agile Methodology, MySQL, MongoDB, GitHub, POM, REST Assured, Eclipse, IntelliJ.

**JPMC, Bangalore, India.   April 2013 –Sep2015**

QA Automation Engineer

**Responsibilities:**

· Analyzed business requirements, system requirements, and data mapping requirement specifications interacting with client, developers, and QA team.

· Created and implemented Test Plan and Test Strategy Document outlining the scope, objectives, timeline and focus of software testing effort for functional, regression, user acceptance and stress testing.

· Involved in analyzing system specifications, design, development and execution of test plans and test cases for Manual and Automated testing.

· Developed Selenium test cases using TestNG framework.

· Performed Data driven testing using Selenium Web Driver and TestNG functions which reads data from property and XML files.

· Run script as a batch file through Maven and generated testing report.

· Created automation scripts in SOAP UI using Groovy Script for web services testing.

· Used SOAP UI tool to locate the WSDL file on the internet, create test cases, and execute test cases.

· Worked closely with development and project management teams for effective defect management and verify resolved bugs and track enhancements made to product.

· Reported the bugs, Email notifications to the developers using JIRA.

· Provided back-end testing for data validation using SQL on Oracle.

· Involved in testing the database and data validation using SQL Queries.

· Worked with developer to reproduce the bugs and to resolve usability issues during UAT.

· Created Regression Document to track and report testing activities during each phase of testing, including testing results, test case coverage, required resources, logged defects and their status, performance baselines.

· Participated in Stand-up meeting, walkthrough meeting, weekly automation meeting with all other QA, weekly assessment meetings with business analysts and developers.

**Environment**: SeleniumWeb driver, TestNG, Maven, Quality Center, SOAP UI, SQL, ALM, Jira, Windows.