Nenavath

**Lead/Senior Software develoment Engineer in TESt**

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**CAREER OVERVIEW**

* **Lead/ Sr. Software Development Engineer in Test with 10 years of experience in Information Technology. Extensively experienced in Software Analysis, Design, Development, Implementation and Testing of Object-Oriented Applications and Mobile, Web-based and Cloud (AWS) using java/J2EE, Node JS in various domains like Finance, Cloud Computing, Logistics etc.**
* **Good experience in working on modern full stack Angular, Node JS and Java Spring-Boot (mvc) environments.**
* **Experience in working with RESTful Web Services and implementing RESTful API's.**
* **Expertise in automating Angular and React Applications using Node JS UI Automation frameworks such as WebdriverIO, Mocha.**
* **Experience in building and working with Hybrid and Angular friendly frameworks like Nightwatch & Mocha, Protractor & Jasmine.**
* **Worked on Playwright Library using NodeJS and created a POC as part of new framework migration.**
* **Worked with Playwright fixtures, Test Configurations, Parameterizing, Parallelism and sharding.**
* **Experience in working with Cypress-io for E2E UI Integration tests.**
* **Expertise in designing Hybrid, data driven and BDD frameworks with Selenium Web Driver, TestNG, BDD Cucumber, Extent Reports, Cucumber Reports.**
* **Experience with Mobile Testing and Automation using Java Appium, Playwright.**
* **Experience with ionic Cordova mobile framework with hands on iOS and Android devices.**
* **Used Continuous delivery / Continuous Integration (CD/CI) tools Docker, Jenkins to deploy this application to AWS and used GIT for Version Control of code for incremental development and day-to-day basis to maintain the code history.**
* **Experience in designing, developing, and maintaining Test Automation Frameworks like Data Driven, Keyword Driven, Hybrid and BDD/TDD, Page factory, Page Object Model (POM).**
* **Worked on writing quality code using TDD (Test driven development) and unit tested using Java testing frameworks Jasmine, Karma.**
* **Experience with SonarQube, TSLint for code coverage and build pre-filtering at Jenkins Pipeline.**
* **Experience with Load, Performance and Distributed testing using JMeter.**
* **Worked with various server types like HTTP, HTTPS, SOAP, and different set of protocols such as HTTP, JDBC, LDAP, SOAP, FTP.**
* **Experience with JMeter Timers, Listeners, Controllers and Thread Groups.**
* **Developed and executed API test cases for SOAP and RESTful web services using SoapUI/Ready API, Postman.**
* **Experience in working with API automation using Frisby, Chakram, Rest Assured.**
* **Strong experience with CSS and Xpath locators and advanced complex methods.**
* **Good Experience Build management tools like ANT, Maven. Gradle and Grunt.**
* **Good Expertise in Schedule jobs via Jenkins (Continuous Delivery) and Continuous Integration for automating the build and deploy processes allowing significant increase in test automation. Monitoring the jobs scheduled jobs.**
* **Proficiency working in Relational Database Management Systems including MS Access, My SQL, SQL Server, and Oracle.**
* **Expertise in using various defect-reporting and defect-tracking tools like JIRA Zephyr, Rally, Bugzilla.**
* **Worked on testing applications on different browsers like IE, Firefox, Android, Safari and Chrome.**
* **Specialized in performance testing applications using load-testing tools such as Load Runner, Performance Center.**
* **Experience with Slack, Confluence, Pager Duty, JIRA Integrations for effective Reporting, test failure alerts and tracking.**
* **Followed Agile Scrum and Waterfall, Agile Kanban methodology of software development, which satisfies the customer through early and continuous delivery of valuable software.**

**TOOLS & TECHNICAL SKILLS:**

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| **Web Technologies** | **HTML, CSS, JavaScript, JSON, TypeScript, AngularJS, NodeJS, XML, XSLT, JDBC REST services.** |
| **Programming/Scripting Languages** | **Java, Node JS, Angular, Groovy, JavaScript, TypeScript.** |
| **UI & Functional Automation Tools/ Frameworks** | **Selenium, Appium, Playwright, Cypress, Protractor, WebdriverIO, Selenium WebDriver, Katalon, Appium, Rest-Assured, Mocha, Jasmine, Jest, Chai, BDD Cucumber, JUnit, TestNG, Load Runner, JMeter, SoapUI, Postman.** |
| **Reporting and other Frameworks** | **Extent Reports, Jasmine Reports, Java Mail, Gmail API, Apache POI, itextPdf, AutoIt.** |
| **DevOps & CICD** | **SVN, Git, Stash, Jenkins, Docker, Microsoft Azure.** |
| **Databases** | **MS Access, MySQL, SQL Server, Oracle, and MongoDB.** |
| **Build Tools** | **Ant, Maven, Gradle, Grunt.** |
| **Browsers** | **Selenium GRID, Internet Explorer, Firefox, Chrome & Safari.** |
| **Operating Systems** | **Windows XP/7/8, Mac iOS, UNIX and Linux, Android.** |
| **Test Case Management Tools** | **JIRA Zephyr, TestRail, XRAY, Microsoft Azure.** |
| **Bug Tracking Tools** | **Bugzilla, Bugnizer, JIRA, Microsoft Azure.** |
| **Project Management Tool** | **JIRA, Microsoft Azure, Confluence.** |
| **Documenting, Virtual Meetings, and Integrations** | **Confluence, JIRA, Slack, Skype, Microsoft Teams.** |

**Education**

* **Name of the University: JNTUH University May - 2014**
* **Degree: Bachelor’s in Pharmacy**
* **Name of the University: Wilmington University - Aug 2018**
* **Degree: Master of Science**
* **Specialty: Information Systems Technologies – Information Assurance.**

**AWARDS**

* “**Under Sea”- Chevron – 2023**
* **“Surface digital platform” – Chevron: Align & Inspire, Deliver results 2022**
* **“SAAS Line” - Vanguard. 2019.**

**Certification & Training**

* **ZaRaNtEch Workday Certified Professional**

**Projects**

**Jan 2020 - Present**

**Customer: Chevron - Houston Texas.**

**Projects: Worked on multiple applications around 12+**

**Project Role: Lead/Sr. Software development Automation Engineer in Test.**

**Responsibilities:**

* **Design and develop an efficient and scalable automation test framework aligned with the overall product testing strategy, ensuring accommodation of diverse software components and products within the organization.**
* **Execute automated test plans for assigned software products in collaboration with the Development team.**
* **Report and analyze test results collaboratively with Software Developers, Quality Assurance Engineers, and Product Analysts, fostering a proactive approach to identify and resolve potential issues.**
* **Investigate and analyze changes in test results during the software development cycle, engaging in discussions to address regression issues and enhance the effectiveness of both legacy and newly implemented automated tests.**
* **Acquire, organize, and manage test data for comprehensive test plan reviews, ensuring completeness and accuracy of automated tests.**
* **Ensure strict adherence to the Software Lifecycle Management and Product Development process throughout the automation framework development and maintenance.**
* **Review software requirements documents, providing valuable input to improve product effectiveness, integration, and usability.**
* **Involving in implementing BDD framework using jasmine and added BDD Cucumber Framework for component tests.**
* **Extensively used SQL statements to query the MySQL Database for Data Validation and Data Integrity.**
* **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.**
* **Contribute towards continuous improvement initiatives for these standards and techniques.**
* **Review and edit user documentation for technical correctness, aligning it with the automated test framework.**
* **At the senior level, take ownership of the automation framework, overseeing its development, evolution, and strategic alignment with organizational goals.**
* **Contribute to advanced Playwright practices, including the use of locators, custom libraries, and utilities.**
* **Create and maintain the Page Object Model in Playwright, integrating it with Microsoft Azure testcase management.**
* **Experience with Mobile Testing and Automation using Java Appium, Playwright.**
* **Experience with ionic Cordova mobile framework with hands on iOS and Android devices.**
* **Execute cross-browser and multi-environment tests using BrowserStack, contributing to component tests for Angular and React applications.**
* **Work on Playwright Mock APIs and Page Object Model, creating end-to-end automation scripts for amplitude event logs.**
* **Utilize Postman, VS, and Swagger for manual API test validations, creating POJOs for effective API data handling.**
* **Implement bespoke reporting using Mocha-awesome Reports, JSON Allure Reports, and HTML reports.**
* **Use Microsoft Azure for project deployment, code repository management, feature creation, and documentation of the framework and programming guidelines.**
* **Participate in RCA meetings, meetings with the product owner and BA, PI planning, daily standup, backlog refinement, and retrospective.**
* **Handle bug triage meetings, root cause analysis in build meetings, release meetings, and defect review meetings.**
* **Coordinate with multiple teams and applications, facilitating communication between offshore and onshore teams.**

**Environment**: **Playwright, Nodejs, Microsoft Azure, BrowserStack, Mocha, mocha-awesome reports, Java, Rest Assured, Angular, Docker, Post Man, VS code, SQL, EAM, SAP, JDE. iOS & Android.**

**Jan 2019 – Dec 2019**

**Customer: Google LLC - Austin, Texas.**

**Project Role: Senior Software Automation Engineer in Test.**

**Project: Payroll Transformation across the world.**

**Responsibilities:**

* **Create test data for the integrations and launching the integrations manually from workday.**
* **Working on design and implementation of Workday Inc. webservice automation using java.**
* **Backend webservice automation using SoapUI & Rest Assured using Borq Framework.**
* **Prepared test cases, including manual functional, system integration tests, and regression test execution.**
* **Supported the client during FUT and SIT and UAT processes of testing for the ECP systems.**
* **Reported bugs, resolved issues with bugs creating them in Bugnizure, and discussing with Developers.**
* **Working on creating custom reports and Code repository in Piper.**

**Environment: Workday Integration & WD Studio, ECP Systems, PIPER, Bugnizure, Citrix, IntelliJ, Cider.**

**Java Borq Framework, SoapUI, BDD Cucumber (Beedoo Framework), Google-Pixel book.**

**Feb 2018 – Dec 2018**

**Customer: Vanguard. Malvern – Pennsylvania**

**Project Role: Senior Software Development Engineer in Test.**

**Responsibilities:**

* **Created UI automation test suite using JavaScript, Protractor, Jasmine.**
* **Experience with advanced Protractor locators, Custom utilities.**
* **Experience with creating the Page Object Model in Protractor and maintained the locators.**
* **Integrated the Protractor with JIRA Zypher testcase management and the reports were published to the tests automatically.**
* **Worked with Mocha assertions, mocha-awesome reports, configured the screenshots and video recording features.**
* **The scripts were run in cross-browser testing on Mac, Unix, and Windows using Firefox, Edge, IE, and Chrome.**
* **Executed the cross-browser & multi environment tests using Browser stack.**
* **Contributed for the component tests for both Angular and React applications and widely used the mount, autopsy outputs and container components.**
* **Created the Cypress demo project as part of POC for migrating the regression and smoke tests.**
* **Worked on Protractor Mock APIs, Page Object Model, Trace viewer, Locators.**
* **Experience with Protractor annotations, assertions and retries.**
* **Extensively used the Postman and Swagger for manual API test validations.**
* **Created the end-to-end automation scripts using protractor to automate the amplitude event logs verified against of the application network and UI calls.**
* **Experience setting up instances like Elastic Load Balancer in AWS for high availability.**
* **Mocha-awesome Reports, JSON Allure Reports, and HTML reports were used to implement bespoke reporting.**
* **Worked with both SQL and NoSQL databases for data validations and pre-requisite data.**
* **Used AWS to deploy the project on EC2 instance. Implementation of the business logic layer for Services.**
* **Used GitHub to maintain the code repository and followed the version control guidelines and feature for creating the branches and pull requests.**
* **Worked with confluence for documenting the framework and programming guidelines.**
* **Configures the nightly parameterized Jenkins jobs for running the different test suites as part of CICD and validations against of the continuous builds.**
* **Worked with JIRA for project management, test case management and defect management.**
* **Worked with JIRA zephyr for writing the manual/functional tests and executed.**
* **Created the templates and managed the release management process.**
* **Agile delivery techniques were used to streamline the iterative development of the testing process.**
* **Participated in RCA meetings and meetings with the product owner and BA to enhance the product.**
* **Participated in the build meetings, release meetings, and defect review meetings.**

**Environment: Java Spring Boot, Angular, Microservices, Junit, SonarQube, NodeJS, Protractor, Mocha, Selenium Web-Driver, BDD Cucumber, Rest Assured, Maven, Visual studio code, JSON, HTML, XML, Postman, GitHub, Bit Bucket, Jenkins, My SQL, MongoDB, Docker, TSLint, Grunt.**

**May 2016 – Feb 2018**

**Customer: Pharmaron CPC, Inc. Baltimore, MD**

**Project Role: Automation Engineer.**

**Responsibilities:**

* **Followed the waterfall methodology and analyzed the user requirements, functional specifications and Use Case documents and created the Test Plans, Test cases for Functional testing.**
* **Coordinated with the business analysts and developers and discussed issues in interpreting the requirements and effectively managed the finalized requirements.**
* **Demonstrated an understanding of Functional, Technical and UI requirements of the project.**
* **Developed automated scripts for functional testing using Selenium with Java.**
* **Created automated test cases using Selenium with TestNG and mapped the test cases and defects**
* **Optimized automation scripts for Regression testing of the application with various data sources and data types.**
* **Developed effective driver scripts using some Java Scripting commands with high level recovery scenarios, descriptive programming, working with data tables, environment variables, shared repository, and function libraries.**
* **Support during User Acceptance Testing. Developed inline view queries and complex SQL queries and improved the query performance for the same**
* **Executed SQL queries to validate the data at the backend.**
* **Defect logging, assignment and tracking through JIRA.**
* **Identify defects in aggregate tables and report data, enter defect in JIRA and coordinate with developers to resolve them based on defect severity and priority.**
* **Experienced in performance testing using load runner**
* **Successfully Completed User Acceptance Testing (UAT) on each release of the project with the help of end user requirements.**
* **Worked on detail design documents and Business Requirement Documents in Quality Center to understand testing needs and understand complete business process.**
* **Worked in coordination with onshore team.**
* **Ensured content and structure of all testing documents/artifacts is documented and maintained.**

**Environment: SQL Server, Jira, Postman, TestNG, Bamboo, Cucumber, Bit bucket, WebStorm, GIT, Java,**

**Selenium WebDriver, Rest Assured, Web services, TestNG, BDD Cucumber.**

**Customer: Deloitte Hyderabad-India Aug 2014 - July 2015 Project Role: QA Engineer.**

**Responsibilities:**

* **Responsible for various testing process.**
* **Involved in Unit Test, Certification Test, API Test, Acceptance Test.**
* **Written protractor tests for UI automation with TypeScript.**
* **Developed Page Object Model Framework using Selenium.**
* **Updating the Existing Test Cases, Identified Test scenarios for new Change Requirements, Written Test Cases for change requests.**
* **Creating the Build wise, Weekly & monthly reports.**
* **Executed test cases for Smoke, Functional, Regression and UAT.**
* **Involved in Resiliency Testing & preparing data for performance testing.**
* **Testing DR Strategy & Documentation of the project.**
* **Environment Setup and Configurations and client demo**
* **Involving bug triage and root cause analysis discussion**
* **Preparing the RCA documents.**

**Environment: HTML, CSS, JavaScript, PHP, Jira, Servlets, Windows 7**