

# Vinod Kumar Mittapally

Senior Quality Assurance Engineer/ Software Development Engineer in Test - (SDET)

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## Professional Summary

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- **Software Development Engineer in Test - (SDET)** with around **9 years of experience** in **software automation and manual testing**, ensuring the quality and reliability of complex enterprise applications.
- Expertise in **Core Java, J2EE**, and Object-Oriented Programming (OOP) principles.
- Expertise in **Selenium WebDriver** with **Java**, Proficient in handling Actions, Select, JavascriptExecutor, and Alert objects to interact with web elements dynamically. Skilled in implementing **Page Object Model (POM)** with PageFactory and integrating TestNG and Cucumber BDD for structured test automation.
- Expertise in **Playwright automation framework** using **TypeScript/JavaScript**, developing and executing end-to-end, UI, and functional test scripts for cross-browser and cross-platform testing. Implemented auto-wait mechanisms, network interception, and visual testing.
- Expertise in **REST API automation** using **Rest Assured (Java)**, handling HTTP methods and validating RESTful web services. Skilled in using RequestSpecification, Response,.ResponseBody, JsonPath, and Headers objects for request/response validation.
- Strong experience in **SOAP web services testing**, developing **detailed test cases and test plans** for validating API functionality, performance, and security.
- Skilled in performance and load testing using **Apache JMeter**, conducting stress testing and performance benchmarking to optimize system reliability.
- Implemented **TestNG framework** for test execution, utilizing **testng.xml** to define test suites, groups, data providers and parallel execution strategies.
- Implemented **Cucumber BDD** framework using feature files to define test scenarios in **Gherkin language**. Developed step definitions in Java, mapping feature file steps to executable code.
- Utilized **Maven** as a build automation tool, managing dependencies and project configurations through **pom.xml**. Structured test automation frameworks using Maven lifecycle phases to streamline execution.
- Well-versed in Continuous Integration/Continuous Deployment (**CI/CD**) pipelines using **GitLab CI/CD** and **Jenkins**, integrating test automation for seamless deployment workflows.
- Expertise in version control and code repositories, including **GitLab, GitHub, Perforce**, and **Oracle Flow Builder**, ensuring effective collaboration and code management.
- Exposure to front-end development technologies such as **HTML, CSS, JavaScript, ReactJS**, and **PHP**, enhancing the ability to debug UI-related defects efficiently.
- Familiarity with **VMware's** cloud virtualization technologies and containerization using **Docker**, improving test environment scalability and consistency.
- Extensive experience in **test case design, execution, defect tracking, and reporting**, leveraging tools such as **JIRA, Zephyr, OTTR** and **Oracle Flow Builder**.
- In-depth knowledge of various testing methodologies, including **Unit Testing, Regression Testing, Integration Testing, Smoke Testing, System Testing, and User Acceptance Testing (UAT)**, ensuring comprehensive test coverage.
- Expertise in **Accessibility Testing / 508 compliance testing** following **WCAG 2.1 AA guidelines**, with tools like Axe, Narrator, NVDA, Key board navigation, 200x zoom etc.
- Strong understanding of Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**), and **Defect Life Cycle**.

- Strong Agile practitioner with experience in **Scrum and Kanban methodologies**, participating in **daily stand-ups, sprint planning, and retrospectives** to enhance team collaboration.

## Awards and Certifications

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- Excellence award for reducing manual efforts-- from OpenText.
- Java, Oscript, HTML-CSS-JavaScript, Selenium, SQL -- OpenText Certifications.
- Spring Boot 6 -- Udemy Certification.
- Oracle Certified Java Professional
- Certified ISTQB Professional
- AWS Cloud Practitioner

## Skills

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Programming Languages	Java, J2EE, JavaScript/TypeScript, PHP, SQL, Object-oriented programming
Frontend Technologies	HTML, CSS, JavaScript, ReactJS
Testing Tools	Selenium WebDriver, Playwright, Oracle OATS, Postman, REST Assured, JMeter
Testing Frameworks	JUnit, TestNG, Cucumber BDD, JBehave Behavior Driven Development (BDD), Test Driven Development (TDD), and Oracle OATS Keyword driven testing.
CI/CD Tools	GitLab CI/CD, Jenkins
Build Tools	Ant, Maven
IDEs & Automation Tools	IntelliJ, Eclipse, Visual Studio Code
Version Control	Git, GitHub, Perforce Helix Core
Project Management Tools	JIRA, Confluence
Operating Systems	Windows OS, Linux OS, UNIX
Software Processes	Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC), Defect Life Cycle
Methodologies	Waterfall Model, Agile methodologies

## Professional Experience

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APRIL 2022 – TILL DATE

**Senior Quality Assurance Engineer-SDET | OpenText | Menlo Park, CA**

**Product:** Core Content Management (CCM)

**Description:** Core Content is the next generation of enterprise information management, SaaS (software as a service), and cloud-native applications. It provides Content Management System (CMS), document management tools, enabling users to add, delete, or change files and organize documents in a flexible folder structure. CCM also includes permissions control for document sharing and an audit trail feature that tracks document activities. The integration with Core Signature allows for document signing, enhancing workflow and compliance.

### Responsibilities:

- Led a team to automate testcases for CCM a **SaaS-based enterprise product**, reducing operating costs and improving test execution efficiency.

- Engineered automation test cases for Core Content Management (CCM) using **Selenium WebDriver, Java, Page Object Model (POM) and Cucumber BDD**, ensuring seamless integration of automated functional testing.
- Performed cross-browser compatibility testing using Selenium WebDriver, ensuring seamless application performance across **Chrome, Firefox, Safari, and Internet Explorer**.
- Conducted **Data-Driven Testing** using Excel-based test data in Selenium utilizing **Apache POI** java library, ensuring comprehensive test coverage.
- Leveraged **Selenium Grid** to execute test scripts across multiple browsers and platforms in parallel, optimizing test execution time.
- Used XPath and DOM selectors to interact with static and dynamic web elements in Selenium, enhancing automation stability.
- Developed and executed automated test scripts using **Playwright** with **TypeScript/JavaScript**, improving end-to-end web application testing efficiency.
- REST API testing using **Postman** and Automated testcases using **Rest Assured (Java)** to validate API functionality, response accuracy, and performance.
- Contributed to the integration testing for **Google Workspace integration** with **OpenText Core Content**.
- Designed and implemented a robust quality assurance process, significantly enhancing test coverage and minimizing gaps in the **testing lifecycle**.
- Executed various testing methodologies, including **Integration Testing, Regression Testing, Smoke Testing, and User Acceptance Testing (UAT)**, ensuring system reliability across multiple releases.
- Integrated accessibility testing within the QA process, leading to successful **WCAG 2.1 AA certification compliance**.
- Utilized **TestRail** for **test case management**, streamlining test documentation and tracking progress efficiently.
- Proficient in **test lifecycle activities**, including Test Plan creation, Test Case Design, Execution, and Review, Defect Management, Bug Tracking, and Root Cause Analysis, Generating comprehensive test reports for stakeholders
- Interacted closely with **Product Owners and Project Teams** to analyze **user stories** and **acceptance criteria**, ensuring accurate test coverage.

**Tech Stack:** Cucumber BDD, Java, TypeScript/JavaScript, Selenium WebDriver, Rest Assured, Playwright, Postman, Swagger, TestRail, Maven.

JUL 2019 – APR 2022

**Quality Assurance Engineer 2 | Oracle | Hyderabad, India**

#### **Product: Oracle Service Logistics**

**Description:** Service Logistics delivers field service capability and supply chain functionality enabling users to source and order parts for field service and parts only service, review debrief lines and submit charges for parts, labor, and expenses incurred.

#### **Responsibilities:**

- Automated end-to-end test cases for **Oracle Fusion RCL** and **Oracle Service Logistics**, ensuring seamless functionality and system reliability.
- Key contributor to the **EBSQA team**, focusing on **Oracle SCM product family**, including Product Information Management (PIM), Oracle Process Manufacturing (OPM), Project Manufacturing (PJM), Work in Process (WIP), and Demand Management (DMF) products.
- Expertise in **Oracle Flow Builder** for test automation, developing **test cases** for **Oracle EBS applications**. Skilled in creating **test flows, components, and data-driven scripts**, leveraging **Flow Builder's keyword-driven framework** to enhance reusability and maintainability.
- Experience with **Oracle ERP systems**, particularly in the Supply Chain Management (SCM) modules, enhancing testing strategies for enterprise resource planning applications and ensuring compliance with business processes.
- Developed automated test cases using the **ADF** (Application Development Framework), **Selenium WebDriver**, and **Java**, increasing test coverage and reducing manual efforts.
- Conducted **Functional Testing** and **Regression Testing** using **Selenium WebDriver**, implementing **Data-Driven** and **Keyword-Driven frameworks** for scalable automation.
- Performed **database validations** using **PL/SQL**, ensuring data integrity across Oracle applications.

- Led extensive **regression testing** efforts to maintain product stability across releases, ensuring high-quality deployments.
- Conducted **GDPR compliance testing**, verifying data privacy and security measures in line with regulatory requirements.
- Actively participated in **Agile Scrum processes**, including **daily stand-ups, sprint planning, retrospectives, and sprint reviews**, collaborating effectively with cross-functional teams.
- Managed bug tracking and issue resolution using **JIRA** and utilized **Zephyr plugin in JIRA** for test case management, improving test documentation and traceability.
- Acted as the **Point of Contact (POC) for Daily Test Executions (DTE)** across **Oracle Fusion products**, troubleshooting test execution failures and ensuring timely resolution of issues.
- Monitored and maintained test execution cycles, including **daily, nightly, and weekly automated test runs**, ensuring uninterrupted CI/CD workflows.
- Generated and shared **Daily Status Reports** with **team members, Team Leads, and Managers**, ensuring transparency and timely communication of test execution progress.

**Tech stack:** ADF framework, Oracle Application Testing Suite (OATS) tool, JIRA, Zephyr, PL/SQL, Selenium, and Java.

JUL 2016 - JUL 2019

**Software Engineer/Java Programmer | OpenText | Hyderabad, India**

**Product:** OpenText Content Server (OTCS) / OpenText Livelink

#### **Responsibilities:**

- Developed reusable **JSP** files for OTCS using JSP, HTML, AJAX, JavaScript.
- Implemented **Spring JPA** Repository for the persistence layer of the application
- Used **Spring MVC** and Dependency Injection for handling presentation and business logic.
- Designed and implemented an **executable JAR file** to automate the linking of **JIRA bugs to OTTR test execution reports** using **REST API**, streamlining defect management.
- Developed front-end test automation scripts using **Selenium WebDriver** and **Java** with **TestNG**, ensuring robust UI validation and regression coverage.
- Automated **SOAP** using **Java HTTP client**, improving efficiency in API validation and response handling.
- Conducted performance and load testing using **Apache JMeter**, identifying bottlenecks and ensuring optimal system scalability.
- Expert in **TestNG framework**, utilizing **Groups, Parameters, Data Providers, and Tags** to efficiently organize and execute test suites, enhancing test maintainability and scalability.
- Managed and configured **virtual machines (VMs)** on **VMware vCloud**, optimizing test environments for different product configurations.
- Validated newly developed **REST web services and microservices** using **Postman**.
- Performed **regression testing** and **code reviews**, ensuring software stability across multiple iterations.
- Administered and engineered **Jenkins pipelines**, managing **weekly builds, test executions, and deployment chains**.
- Certified enterprise products across multiple configurations, including various **operating systems, product versions, and relational databases** such as **SQL, HANA, PostgreSQL, and Oracle DB**, ensuring cross-platform compatibility.
- Demonstrated product functionality to cross-functional teams, enhancing team collaboration and product understanding.
- Served as **Scrum Master**, facilitating Agile ceremonies such as **daily stand-ups, sprint planning, retrospectives, and backlog grooming**, improving team efficiency.

**Tech Stack:** Java, JSP, Spring JPA, Spring MVC, Selenium WebDriver, SOAP Web Services, REST API, Apache JMeter, JIRA, Agile, OTTR, ANT Build, JUnit, Linux, Java HTTP Client, TestNG