**Name: Indira Edamadaka**

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**Professional Summary: -**

* **Around 10+ years** of experience as **Test Engineer** with focus on **Manual** and **Automation testing**.
* Exceptional knowledge and implementation skills in **Software** **Development** **Life** **Cycle** (SDLC) and **Software** **Testing** **Life** **Cycle** (STLC).
* Expertise in understanding **Business Requirement Specifications**, **Functional** **Specifications** and Design documentations and converting them into **Test** **Scenarios**.
* Experienced in **Waterfall** and **Agile** Projects, worked very closely with Product owners in **Agile** and attended various ceremonies like **Sprint** **Planning**, **Backlog** **Grooming**, **and Sprint** **Review**.
* Proficiency in **Manual** and **Automation** Testing of Client/Server, Web-based/Mobile and Cloud (AWS) applications.
* Hands on experience in testing **Web Services** using **HTTP CRUD** commands such as **POST, PUT, DELETE, and GET** for **API** testing using **POSTMAN** for manual testing.
* Performed Database/Backend testing by writing complex **SQL** queries and connecting to database with **JDBC API** (Oracle, MySQL) for validating the application against the database.
* Worked extensively on performing **Black Box Testing**, **System Testing**, **Smoke Testing**, **Regression Testing**, and **User Acceptance Testing.**
* Solid knowledge in testing **Web Applications**, **Web Services** using **Selenium WebDriver/Katalon/Appium/Cypress**.
* Experience in testing UI and Non-UI applications (Salesforce, Web Applications, XML, Database, Web Services) using **Tosca Automation Test scripts**.
* Optimized test execution time and resource usage in C++ test scripts for large-scale systems
* Developed and maintained automated end-to-end tests using Playwright for web applications
* Worked closely with data engineers and analysts to automate the testing of data pipelines and ensure accurate analytics results in Tableau
* Developed and executed test cases for validating FHIR resource operations (Create, Read, Update, Delete) and compliance with HL7 standards
* Proficient in testing ETL (Extract, Transform, Load) processes to ensure data integrity, accuracy, and consistency across systems
* Generating detailed test cases, defect reports, and test execution logs for **health insurance claims** and **enrollment** processes to support traceability and compliance.
* Built test frameworks in **C#** to improve efficiency and reduce manual testing efforts
* Experience in Azile -Enabling tools like Azure, Jira, HP ALM, Bit bucket.
* Experience in writing **automation scripts** in **Perl** and **Python** for Mainframe environments
* Good working experience in DevOps, establishing E2E testing pipeline for Bulk components.
* Extensive experience in creating documents like **Test Plan, Text Exit, defect tracking Reports**.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **JIRA** as project management and defect tracking tool.
* roficient in working with **FACETS**, ensuring the delivery of high-quality software by performing manual and automated testing for health insurance platforms.
* Great documentation and **Process** **Management** skills with an ability to effectively understand the business requirements to develop a quality product.
* Excellent communication and interpersonal skills, with the ability to collaborate with stakeholders, developers, and product managers.
* Ability to quickly learn new technologies and tools, with a keen eye for detail and a commitment to continuous improvement. Ability to mentor junior testers and lead small teams, providing guidance on best practices and test execution to maintain consistency and quality across the testing process.
* Conducted manual penetration tests to identify complex vulnerabilities like logic flaws, improper configurations, and bypasses that automated tools cannot detect.
* Exceptional ability to identify complex issues quickly and propose effective solutions, often working with development teams to reproduce and resolve issues in a timely manner.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Testing Tools** | Postman, Selenium Web Driver, TestNG, Appium, Katalon, Cypress, QTP, HP Quality Center,Test Rail |
| **Language/ Script** | Java, JavaScript, Gherkin |
| **SOA Technologies** | SOAP, REST, Web Services, SOAP UI, Postman, JSON |
| **Tracking Tools** | HP Quality Center, Bug Zilla, JIRA, Rally, HP ALM |
| **Build/ CI Tools** | Maven, Jenkins, Git, Bitbucket |
| **Databases Technologies** | MS SQL Server 2000/2005/2016, OLAP and OLTP, Oracle 9i/10g, MS Access 2000, TSQL, Oracle PL/SQ, MYSQL |
| **Methodologies** | Agile (Scrum), Waterfall, SDLC, STLC |
| **Test Framework** | Page Object Model (POM) |
| **Environment** | Web, Android, IOS |
| **Operating Systems** | Windows, Unix, Linux |
| **Skills** | Penetration Testing, Vulnerability Assessments, Burp Suite (Pro and Community), Web Application Security |

**Certifications:**

**Tosca Automation Specialist Level 1.**

**Certificate No: cert\_p88hmvwf**

**Tosca Automation Specialist Level 2.**

**Certificate No: cert\_6f43rm93**

**WORK EXPERIENCE:**

**Client: Medtronic, Minneapolis, MN Aug 2023 – Till Date**

**Role: Sr. Test Engineer**

**Responsibilities:**

·       Preparing Functional/regression Test Cases/Scripts in Helix under Test Plan, And Review Test Requirements,

and Creating Test Plans and involved in Test Strategy documents.

* Led the integration testing effort for **FACETS**, focusing on validating the claim adjudication process across multiple platforms.Assisted with driving strategy through development and implementation of new processes by working closely with business team.
* Tested applications related to **claims processing**, **membership enrollment**, and **eligibility verification** in a **FACETS** environment.
* Developed and executed test cases to validate business functionality, user interfaces, workflows, and data integration between systems.
* Conducted **API testing** using **SOAP UI** for validating communication between healthcare systems.
* Wrote complex **SQL queries** to validate data consistency, ensuring that data migration from legacy systems to **FACETS** was smooth.
* Automated **UI functionalities** using Katalon Studio with **Selenium WebDriver**, **Java**, and **Groovy**.
* Executed test cases and participated actively in **Smoke, Sanity** and **Regression Testing**.
* Responsible for planning the **Regression** Test stories and **Test cases creation** and updating by considering dependencies and then creating the test execution on run and generate **HTML Reports** and perform Retest, debugging defects to fix from **QA**.
* performance Shared **Daily Status Reports** with all the team members, Team Leads, Managers and Clients.
* Executed **manual test cases** for healthcare applications focused on **eligibility, claims processing**, and **patient management**.
* Assisted senior engineers in performing **data validation**, ensuring the consistency of **FACETS** data with real-world scenarios.Worked with development teams to ensure seamless integration of FHIR-based services within healthcare systems
* Experience in testing the entire **claims** workflow, including claim submission, approval, rejection, and payment stages
* Utilized **Playwright's** network interception features to simulate and mock API responses during tests.
* Automated testing of ETL processes to ensure correct data transformation and ingestion into analytics platforms
* Designed and implemented automated test scripts for FHIR (Fast Healthcare Interoperability Resources) API using tools like Postman and RestAssured
* Testing the payment processing functionality for health insurance **claims** to ensure accurate reimbursements and timely payments
* Conducted **backend testing using SQL queries** to validate data for SQL database and Used **SQL queries.**

for retrieving data from database for executing user specific test cases.

* Monitoring API logs in **Postman.**
* knowledge of **REST API testing** using Python libraries like **requests** and **pytest**
* Experience in conducting data quality testing to check for duplicates, null values, data type mismatches, and other data inconsistencies in the **ETL** process
* Automated web form validation, navigation, and API requests with Playwright for comprehensive testing
* **Continuous Integration** (CI) and **Continuous Delivery** (CD) using **Git**, **GitLab.**
* Managing projects, sprints using Project Management Tool **Jira.**
* Integrated GCP Cloud Storage for automated backup and test data handling
* Wrote unit tests for **C++** applications using Google Test and Boost Test libraries
* Implemented automated test suites for verifying complex calculations, aggregations, and KPI accuracy in Tableau visualizations
* Designed reusable test frameworks in Playwright to improve test scalability and efficiency
* Expertise in validating data consistency and integrity across **DB2** tables and between DB2 UDB and mainframe systems using SQL queries
* Experience in testing health insurance **enrollment** systems, ensuring accurate registration, coverage selection, and data entry validation.
* Performed security testing using Cypress to validate that sensitive patient data is protected and complies with healthcare data privacy regulationsPerform API testing (RESTful Web Services) using Postman for backend data validation, reducing bug fix rates.
* Automated end-to-end testing of FHIR interfaces to ensure accurate data exchange between systems
* Integrated AWS and GCP services with Jenkins for continuous integration testing.
* Used C# for automating regression and smoke tests to ensure continuous product quality
* Proficient in performance testing **ETL** processes to assess efficiency, load times, and system scalability under different data volumes
* Experience in Creating and executing tests for web UI functionality, performance, and accessibility using Playwright
* Managed virtual machines on GCP Compute Engine for QA environments.
* Automated validation of C++ code changes through continuous integration (CI) workflows
* Proficient in writing efficient queries for **MongoDB** using the MongoDB shell and **Python** for data extraction, validation, and performance tuning .
* Conducted security assessments on client web applications, using **Burp Suite’s** proxy and scanning functionalities to identify vulnerabilities like XSS, SQLi, and security misconfigurations.
* Assisted in performing internal network assessments, gathering information, and exploiting weak points in client networks and applications.
* Configured **Burp Suite** extensions in manual testing for vulnerabilities, saving significant testing time and effort.
* Supported senior penetration testers with documentation and post-test analysis, highlighting critical issues and helping implement fixes.
* Provided technical assistance to clients in patching vulnerabilities identified during security assessments.
* Performed manual testing in conjunction with **Burp Suite** to validate automated findings and identify complex vulnerabilities that may go undetected by automated scanners.
* Conducted thorough reconnaissance, vulnerability scanning, and exploitation exercises, leveraging **Burp Suite’s vulnerability scanner** and custom extensions.
* Collaborated with development teams to provide remediation recommendations and improve security posture based on findings from penetration tests.
* Prepared detailed, client-friendly penetration testing reports highlighting discovered vulnerabilities and risk analysis.
* Conducted internal **penetration tests**, manually identifying weaknesses in network segmentation, firewall configurations, and internal application servers.
* Testing the eligibility verification process to ensure correct coverage determination and rejection of ineligible **claims** or **enrollment** attempts
* Responsible for all types of tests like Functionality Testing, Load Testing, Documentation testing, User Acceptance Testing, Browser compatibility testing and maintain technical design documentation in **Windows environments.**
* Created and maintained reporting templates for efficiency and documented day-to-day quality checks for the product.
* Worked on containerizing the infrastructure using Docker container and their Orchestration by deploying and configuring the Kubernetes.

**Client: Visa, Foster City, CA June 2022 – July 2023**

**Role: Test Engineer**

**Responsibilities:**

·       Preparing Functional/regression Test Cases/Scripts in Rally under Test Plan, And Review Test Requirements,

and Creating Test Plans and involved in Test Strategy documents.

* Used process mapping to holistically assess business processes and determine opportunities for improvements.
* Assisted with driving strategy through development and implementation of new processes by working closely with business team.
* Automated **Restful Web Services** using Rest assured API Testing Framework with **Selenium WebDriver**, **Java**, **TestNG** **and** **Maven**.
* Proficient in Mainframe testing using automation tools like **IBM Rational Functional Tester (RFT)** and **Selenium**.
* Executed test cases and participated actively in **Smoke, Sanity** and **Regression Testing**.
* Developed and maintained automated test scripts using C# for web and API testing
* Testing metadata to ensure that the proper structure and definitions are maintained in the **ETL** processes, and ensuring compatibility with the target database
* Utilized C++ for creating performance test tools to evaluate system efficiency and stability
* Experience in building reusable and scalable test automation frameworks with **Python** to ensure efficient and maintainable test execution
* Designed reusable test frameworks in Playwright to improve test scalability and efficiency
* Performed performance testing of Tableau reports to ensure fast loading times and responsiveness with large datasets
* Expertise in writing and executing API tests using AWS API Gateway and GCP Cloud Endpoints
* Shared **Daily Status Reports** with all the team members, Team Leads, Managers and Clients.
* Conducted **backend testing using SQL queries** to validate data for database and Used **SQL queries.**

for retrieving data from database for executing user specific test cases

* Monitoring API logs in **Splunk.**
* Developed Playwright scripts to verify mobile responsiveness and device-specific behaviors
* Created reusable custom commands in Cypress to streamline testing and improve test maintainability
* Proficient in data-driven testing using **Python** and integrating test data with **Excel**, **CSV**, and **JSON** files
* Experience with Mainframe **batch processing** and **online transaction testing**
* Managing projects, sprints using Project Management Tool **Rally.**
* Integrated FHIR API tests into CI/CD pipelines for continuous integration and delivery
* Developed and maintained continuous Integration (CI) using tools in Azure Devops (VSTS) spanning Multiple environments, enabling teams to safely deploy code in **Azure Kubernetes** **services (AKS)** using YAML scripts.
* Managed Kubernetes charts using Helm.
* Expertise in testing batch processing in **ETL**, ensuring that large data volumes are processed efficiently, accurately, and within the required time frame
* Worked on containerizing the infrastructure using Docker container and their Orchestration by deploying and configuring the Kubernetes.
* Created test scripts to validate data transformations in **Tableau** after ingesting data from different sources.
* Developed and maintained **automated regression test suites** for Mainframe applications
* Proficient in writing and executing end-to-end tests using Cypress for web applications.
* Worked on parallel test execution with Playwright to reduce testing time and increase efficiency
* Experience in automating ETL testing using tools like **Pytest**, **Selenium**, and **Jenkins** to improve testing efficiency and reduce manual efforts
* Developed, maintained, recommended, documented, and suggested supports tools and backend utilities to perform performance and capacity planning management.
* Experience in testing **DB2** data migration processes, ensuring data integrity and successful transfers between DB2 UDB and mainframe environments
* Experienced in load testing and performance tuning on AWS CloudFront
* Supported senior penetration testers with documentation and post-test analysis, highlighting critical issues and helping implement fixes.
* Provided technical assistance to clients in patching vulnerabilities identified during **security assessments**.
* Performed vulnerability scanning and testing on internal systems using **Burp Suite** in combination with other tools to assess the security of web-based internal applications.
* Discovered misconfigured access controls and privilege escalation vulnerabilities, and assisted in fixing critical issues to improve the organization’s security posture.
* Developed detailed manual testing scripts and conducted deep dives into complex applications to detect hard-to-find **vulnerabilities.**
* Designed and executed full-scale, manual **penetration testing** engagements, which included external and internal network testing, web application assessments, and wireless network evaluations.
* Validated the ingestion of real-time data into **Tableau**, ensuring no data loss or integrity issues during ingestion
* Working Knowledge in deploying CI/CD system using **Azure Devops** on Kubernetes container environment and for the run environment for CI/CD system to build test and deployment we have utilized **Kubernetes** and Docker
* QA Deployment using **Kubernetes** with **Triton.**
* **Forward Compatibility Testing.**
* **Functional Signoff for every sprint.**

**Client: Cardinal Health, Columbus, Ohio May 2020 – May 2022**

**Role: QA Tester/Manual**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, **Test Driven Development** methodologies**,** **Software Development Life cycle** (SDLC) using **Waterfall,** **Agile methodologies.**
* Analyzed business requirements and user experience goals to develop test plans and test cases.
* Tested applications related to **claims processing**, **membership enrollment**, and **eligibility verification** in a **FACETS** environment.
* Performed **end-to-end testing** across multiple modules to ensure functionality, data accuracy, and integration between front-end and back-end systems.
* Collaborated with cross-functional teams to define and document **test plans**, **test cases**, and **defects**.
* Wrote **SQL queries** to validate data in the database and verify correct claim adjudication.
* Assisted in **performance testing** of healthcare applications to ensure the system can handle the load of thousands of transactions per minute.
* Participated in the **Agile** methodology, worked in sprints, and contributed to daily stand-up meetings.
* Verify and validate that all the fields in the PEGA are populated in frontend and backend as per the requirement based on the spread sheet.
* Implemented **FHIR** validation tests to ensure conformance with the latest HL7 specifications
* Validating **claims** adjudication rules and ensuring the proper decision-making logic is applied to approve or deny claims
* Ensuring data consistency and synchronization between source and target systems by comparing data at various stages of the ETL process
* Performed quality reviews of design documentation to ensure compliance with project plan scope and requirements.
* Involvedin **functional testing, black box testing, negative testing, compatibility testing, and recovery testing.**
* Created reusable test frameworks for FHIR API testing, improving test efficiency and coverage
* Conducting manual and automated regression tests to verify updates and new features do not impact existing functionality in **claims** and **enrollment** processes.
* Experience in performing automation tests using **Selenium Java** to perform front-end testing.
* Experience in Back-end testing, data validation, Database testing using **SQL queries.**
* **Perform API testing (RESTful Web Services) using Postman for backend data validation, reducing bug fixes by 80%.**
* Conducted a full **penetration test** of an e-commerce website, leveraging **Burp Suite** for proxying HTTP/S traffic and scanning for common web application vulnerabilities.
* Identified and successfully exploited multiple SQL injection vulnerabilities, enabling unauthorized access to the database.
* Performed vulnerability scanning and testing on internal systems using Burp Suite in combination with other tools to assess the security of web-based internal applications.
* Generated and delivered a comprehensive report to the client, detailing vulnerabilities, potential business risks, and actionable remediation steps.
* Experience in Automating end-to-end testing of FHIR interfaces to ensure accurate data exchange between systems Managing projects, sprints using Project Management Tool **Rally**
* Involved in conducting tests on Web services transactions like automatic bill payment, batch payments and Account transfers sent over **HTTP** or **HTTPS** by inspecting every **XML** request and response using **SoapUI**.
* Tested files on **Data cap Studio** from the **clouds services Azure.**
* Ensuring sensitive patient and **claims** data is protected by testing encryption, data masking, and secure transmission of information
* Developed automated tests while conducting manual testing to ensure software quality and timely delivery.
* Collaborated with product managers and customer service team to address software issues, quickly resulting in a 90% customer satisfaction rating.

**Client: NetJets, Columbus, Ohio July 2019 – April 2020**

**Role: QA Tester**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies and **Software Development Life cycle (SDLC**) using **Agile**, **Scrum** methodologies.
* Involved in planning, designing and executing different test cases for **Smoke, Functional, and Integration, System** and **User Acceptance** and **GUI testing.**
* Actively involved in developing automation scripts using **TOSCA 9.1**, Creates Business Process Models test cases using ALM BPT add-on.
* Developed Test Plan and Test Cases for **REST API/Web Services** testing using **Postman**.
* Automated Restful **web services/API** by using **Rest Assured** library to send various **HTTP requests** and validate the **JSON** response.
* Designed and developed automated scripts for functional, **regression, sanity and integration testing** using automation tool **Selenium with Java.**
* Implemented test automation scripts for mobile testing using **Appium** for **Android** and **IOS** applications.
* Developed Data Driven Tests using **TOSCA** and automated functional testing.
* Performed back-end testing by writing and executing **SQL** queries to validate that data is being populated in appropriate tables and manually verified the correctness of the data with front-end values.
* Wrote **SQL** queries to retrieve the information from the databases to check whether the data has been updated using **MongoDB**.
* Created and maintained **Requirement Traceability Matrix (RTM)** to ensure all the requirements are covered.
* Define, develop, and execute automation test scripts using **Java** that leverage **black and white box testing** across functional, non-functional and performance testing.
* Established and maintained test cases and test data in **JIRA.**
* Used **JIRA** to maintain defect repository and followed the bug life cycle until the bugs are fixed or closed.
* Verified that the Software Quality Assurance Standards are met throughout all phases of development.

**Client: 7-Eleven Inc, Irving, TX Sep 2018 – June 2019**

**Role: QA Tester**

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification documents and developed test plan and test cases for testing the application.
* Worked in an **agile** environment with frequently changing requirements and features set.
* Involved in **Scrum Process** based on Project Planning, Test Planning and Coordinating on all SDLC phases.
* Designed Automation Test cases and implemented Hybrid test automation framework and **Page Object Model** using **Selenium WebDriver.**
* Developed test code in **Java** programming language using **Eclipse**, IDE framework.
* Performed **Sanity testing, Smoke testing and regression testing** thoroughly using continuous integration tool **Jenkins**.
* Utilized **Quality Center** (QC) as a test management and defect tracking tool.
* Validating the API calls and data for user interface by using Postman, Restful Services and Soap UI.
* Writing the web services automation for Get, Post, and Put methods in services testing.
* Performed web services testing with **SOAP UI** by validating request and response for **XML, JSON** files.
* Creating **Splunk dashboards**, maintaining already existing ones and integrating Splunk with Jenkins to show the overall failed and successful Jenkins jobs on Splunk Dashboard.
* Performance test plan design and test case design, environment setup for performance testing in JMeter and LoadRunner, Blazed Meter.
* Developed and executed **SQL** queries to verify the proper insertion, deletion and updates into the database.
* Actively participated in daily Agile Scrum meetings and involved in iteration planning.
* Ensured the best user experience by focusing on the quality and integrity of an application for requirement specifications, business logic, and user experience and system end-to-end validation.
* Performed ADA testing for visually implanted users.
* Working closely with **TADs** team to identify opportunities for improvement and aligning with the IT standards at

**7-Eleven Inc**.

**Client: Savant, Hyannis, MA Nov 2016 – Aug 2018**

**Role: QA Tester**

**Responsibilities:**

* Involved in writing Test Plan, Test strategy and Test Scenarios based on software documentation from business, technical and functional requirements.
* Involved in various stages of development of the project starting from the project planning until production and maintenance using **agile methodology**.
* Implemented **Black-Box Testing, Functionality, GUI and Regression Testin**g for the entire application, for various builds in a team environment.
* Performed **Smoke testing, Sanity testing**, **Functional testing, Cross-Browser testing**, **Regression testing, Manual** and **Automation testing, Integration testing, Backend validation testing and End to end testing.**
* Actively involved in developing automation scripts using **TOSCA**, Created Business requirements-oriented test cases, automated functional testing using Data-Driven approach
* Performed Rest **API testing** using Postman, and Rest-assured .
* Manually performed Ad-Hoc testing, end-to-end testing, and system testing.
* Executed and evaluated **manual test cases** and reported test results.
* Prepared Defect Report as per **severity** and **Priority.**
* Utilize manual tools to test back-end features (SQL, POSTMAN).
* Find and document bugs, issues, and observations for further investigation.
* Fixed a disorganized confluence page on JIRA to better understand the state of the project.
* Performed the sanity testing and reported the status to TL.
* Performed functional, database, regression, and exploratory testing.
* Black Box testing methodologies like functional, usability, regression was performed.
* Configured **SQL queries** to fetch data from the Oracle database.
* Attend Daily status meetings to discuss feature priorities and test timelines.
* Closely interacted with the Development and Business teams in resolving the bugs.

**Client: Sprint Corporation, Kansas, MO March 2015 – Oct 2016**

**Role: QA Analyst**

**Responsibilities:**

* Designed efficient **manual test cases** based on analysis of Business Requirement Documents, Functional Specifications, Technical design documents and Use Cases.
* Used **Waterfall** methodology for implementation purposes.
* Involved in all stages of Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**) and Defect tracking life cycle.
* Performed **System testing, Integration testing, Black box,** and **White box testing.**
* Performed **Ad-hoc testing, Functional testing,** and **Regression testing** on web-based applications.
* Responsible for all types of tests like Functionality Testing, Load Testing, Documentation testing, User Acceptance Testing, Browser compatibility testing and maintain technical design documentation in **Windows environments.**
* Preparation of Test Cases as per the functionality requirements in the**Quality Centre** and mapping the requirements to the test coverage to ensure proper coverage.
* Reported the defects using defect tracking tool **Quality Center** (QC)**.**
* Used **DOM** and **XML** parsers for data retrieval.
* Involved in writing **SQL** queries for each Test Case and executing them.
* Created and maintained reporting templates for efficiency and documented day-to-day quality checks for the product.
* Involved in project meetings and interacted with other team members to resolve the problems.

**EDUCATION DETAILS:**

**Masters in Biotechnology-Periyar University-2003  
Bachelors in Micrbiology-Sri Venkateswara University-2001**