**Akhila Dasapathri**

**Software Developer Engineer Test**

**Software Developer Engineer in Test**, with 7+ years of experience in all phases of **Software Development Life Cycle (SDLC) & Software Testing Life Cycle (STLC)** in Testing of web-based applications and **API’s**. Diversified experience in **Automation**, **Performance** and **Manual** testing serving various domains such as Auditing, Insurance, Retirements and Health Care Industries.

**PROFESSIONAL SUMMARY:**

* Around 8 years of experience in IT, as a **QA Automation Engineer** specializing in Software Testing, demonstrating proficiency in both Client/Server and Web-based applications.
* Hands-on experience in both **Manual and Automation** Testing across diverse domains, encompassing web services, mobile applications, client-server systems, and web-based applications. This expertise involves the utilization of tools such as **SOAP UI** and **Selenium**.
* Overall Experience Includes various types of testing like **functional, automation, performance and UAT** for Client Server, Web based, Distributed and Enterprise Applications with Java/J2EE technologies
* Proficient in reporting, tracking, and documenting bugs, I possess expertise in utilizing **Quality Center, JIRA,** and **Confluence** for effective Bug Management and Documentation.
* Utilized **Selenium Web Driver** with **Java** to automate end-to-end testing, ensuring compatibility across different browsers and platforms.
* Expertise across various phases of the **Software Testing Life Cycle (STLC)** and **Software Development Life Cycle (SDLC),** adept in implementing methodologies such as **Agile** and **Waterfall**
* Excellent experience in crafting comprehensive **Test Scenarios, Test Cases, Test Scripts**, and **Test Reports**, encompassing both Manual and Automated testing for a variety of applications.
* Developed and maintained a comprehensive suite of **regression tests**, reducing manual testing efforts by 80% and improving software quality.
* Integrated Automation scripts, leveraging **Selenium Web Driver API**, with Continuous Integration tools like **Jenkins**, thereby enabling continuous testing and faster feedback in the development process through nightly batch runs of the scripts.
* Experienced Web Services/**REST** API’s testing using **POSTMAN** Collections, **SOAPUI** and Ready API tools to Validate request and response XML, **SOAP** and **RESTFUL** Web service calls.
* Experience in **OOPS** (Object Oriented Programming System) concepts i.e., **Abstraction, Polymorphism, Encapsulation and Inheritance**.
* Experience in **Exception Handling, Collection Framework, File Operations, Multi-Threading, Methods of string classes, Conditional and Looping statements.**
* Proficient in organizing **Test Cases, Test Methods, and Test Suites for Smoke, Regression, and functional testing** through the utilization of **TestNG** annotations such as Groups, Parameters, and Data Provider.
* Developed and maintained automated regression test cases in **Selenium Web Driver** using Core **Java**.
* Creating the superclass, common function libraries, and data pools in alignment with the **automation test cases**.
* Proficient in testing Web Services within the **SOA architecture**, including XML transactions, SOAP, HTTP, WSDL, and REST, using widely recognized tools such as **SOAP UI** and **Rest API**
* Proficient in utilizing the **Page Object Model** (POM) with Page Factory for Selenium automation.
* Hands-on experience employing Selenium Grid for **Cross-Browser and Compatibility Testing**, ensuring the functionality of web applications across various browsers and environments.
* Extensive proficiency in utilizing **JUnit** and **TestNG** frameworks for effective unit testing. Demonstrated expertise in employing **Maven** and Ant as project building tools.
* Extensive experience in testing **SOAP** and **REST** services utilizing tools such as **SOAP UI**, **Postman**, and **Rest Assured**. Proficient in testing both **XML** and **JSON** formats.
* Extensive experience in validating **API requests and responses**, ensuring data accuracy and compliance with standards.
* Familiar with various authentication methods, including **OAuth**. Established the **testing environment** and managed the framework using Java.
* Strong collaboration skills in interpreting **API documentation** and working closely with cross-functional teams to enhance product quality.
* Experience in conducting performance testing of services using **JMeter**.
* Utilized **SVN**, **GIT**, and **CVS** for code version control and maintenance.
* Engaged in a project where I actively participated in the implementation of **Behavior-Driven Development** (BDD) and **Test-Driven Development** (TDD) using the **Cucumber** framework with **Java, JUnit**, and the **Page Object Model** (POM).
* Implemented **Page Object Model** (POM) and **Apache POI** in Web Driver scripts, showcasing expertise in developing **Data-Driven**, **Keyword-Driven**, and Hybrid frameworks. Utilized Selenium Web Driver, JUnit, and Java for framework implementation.
* Created **feature files** and scenario outlines within the **Cucumber framework**, crafting acceptance tests using Behavior-Driven Development (BDD) with Cucumber.
* Performed web services testing, validating **XML request/response** data using **SOAP**.
* Utilized **JIRA** to track and manage bugs, ensuring the smooth flow of iterations in the development process.
* Crafted numerous intricate **SQL** queries to validate data transformation rules during **ETL** **testing**.
* Skilled in designing **UI** mockups using **HTML, DHTML,** and **XHTML**.
* Proficient in comprehending **Business Requirement** Documents, Functional Specifications, and Technical Specifications.
* Engaged in **Agile/Scrum methodologies**, involving in estimation of **user stories**, participated in backlog grooming, conducted user story demos, attended **retrospective meetings**, and actively contributed to iterations (sprints) as an integral part of releases.
* Implemented **Log4j**, leveraging its components like Loggers and Appenders, to effectively log information
* Conducted test case reviews, delivered project-related status reports, coordinated release planning, and assumed leadership of the testing team throughout all project phases.

**Technical Skills:**

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| **Automated Testing Tools** | Selenium Web Driver/RC/IDE/Grid, Junit, TestNG, JMeter, SoapUI, Cucumber, QTP, Load Runner , Microsoft team foundation server (MS TFS), Rest Assured API,  |
| **Defect Tracking Tools** | JIRA, HP Quality Center (QC)/ ALM, Bug Zilla |
| **Automation Frameworks** | Hybrid, Data Driven, Keyword Driven, Page Object Model (POM), Behavior-Driven Development (BDD), Test-Driven Development (TDD). |
| **Unit Testing framework** | JUNIT, TestNG |
| **Test Management Tools** | JIRA, AzureDevops |
| **Performance Testing Tools** | JMeter, NeoLoad |
| **Testing Methodologies** | Agile, V&V Modal, Waterfall, spiral, kanban, SDLC, STLC |
| **Web Debugging Tools** | XPath, Fire Path, Firebug |
| **Protocols** | HTTP, HTTPS, SOAP, REST |
| **Scripting Languages** | Java Script. |
| **Languages** | C, C++, Java/J2EE, HTML, XML and SQL |
| **Build Tools** | Ant, Maven |
| **Version Control Tools** | GIT, SVN, CVS, TFS |
| **Continuous Integration Tools** | Hudson, Jenkins , Docker |
| **Browsers** | Internet Explorer 6/7/8, Firefox, Google Chrome |
| **IDE** | IDE, Eclipse, My Eclipse |
| **Database** | Oracle ,MySQL, MS SQL Server |
| **Operating System** | Windows NT/2000/XP/Vista/7, UNIX. |

**PROFESSIONAL EXPERIENCE:**

# Hilton Worldwide

# Dallas, Texas January 2023-Present

# Software Development in Test

# Hilton stands as the forefront global hospitality entity, encompassing a diverse range of accommodations, from upscale full-service hotels and resorts to extended-stay suites and mid-priced establishments. The project's core objective revolves around the implementation of a fully cloud-enabled platform designed to manage various aspects, including Property Management, Charge Management, Room Management, Account Management, Configuration Management, Stays Management, and Payment Management System (PMS).

**Roles & Responsibilities:**

* Developed and executed automated ETL testing procedures using **Selenium, TestNG**, for a financial data integration system and for mortgage applications, covering servicing, origination, and operations.
* Proficient in crafting **Automation frameworks** within **Selenium web driver** using **C#** and **JAVA**, including Data-driven, Keyword-driven, and Hybrid frameworks.
* Reviewed the Test Basis, and formulated Test Strategies, Test Plans, and Test Cases, followed by their execution.
* In charge of delineating both manual and Selenium Web Driver-based automated test cases for **Smoke, Functional, and Regression Testing,**
* Coordinate with other teams to keep track and update defects in Defect Management Tool -**JIRA**
* Verified various reports and **dashboards** within **Tableau**, utilizing the **status report** and **execution results** for validation.
* Conducted testing on reports and **ETL mappings**, ensuring accuracy and integrity from source to target.
* Proficient in **JavaScript, APIs, SQL databases, and cloud technologies (Azure),** with expertise in creating and maintaining testing frameworks for CI/CD pipelines.
* Demonstrated proficiency in orchestrating automated tests within **Dockerized** environments for improved efficiency and reliability.
* Enhanced test portability by encapsulating dependencies and configurations within **Docker** **Containers**, contributing to a more **agile development process**.
* Utilized the **JIRA test management** tool to identify, report, and monitor defects, and facilitated **defect** triage meetings.
* Conducted data analysis and validation tasks utilizing intricate **SQL** queries. Crafted complex **Oracle statements** for comparing data between source and target systems.
* Integrated the framework with **Jenkins** for continuous integration and established automated test suites for in-release, **regression, and E2E testing**.
* Supported the QA lead in creating User Acceptance Test reports (**UAT**) and documenting the resolution of defects.
* Facilitated **review meetings** for test plans and cases with the Project Manager, Developers, and Business teams. Participated in or led daily Scrum meetings.
* Documented and communicated issues to the Dev/BA team, fellow QA tester’s team, and Leads.
* Identify Risks periodically and Design and execute the **Risk mitigation Plan.**
* Demonstrated experience working with **Splunk** to extract, transform, and visualize data, contributing to effective monitoring and troubleshooting.

**Environment: Selenium ,TestNG ,Java ,Jenkins ,Docker, Agile, Scrum, XPATH, SDLC, STLC, Azure Devops, Oracle 11g,DB2 & Mongo DB, MySQL server, Tableau, Junit, Postman, Swagger ,Splunk, Maven, SOAP, Rest Assured, HTML5, TestNG, JMeter.**

# Deloitte

# Dallas, Texas October 2021-July 2022

# Software Development in Test

# Deloitte Omnia delivers a secure and seamless digital audit experience on its cloud platform, continuously updating and leveraging data throughout the audit process. Quality analyst safeguards this experience by employing rigorous testing methods to ensure functional accuracy, robust security, and optimal performance across audit requests, timelines, and internal risk evaluations. Powered by automation frameworks like Selenium and JMeter, along with continuous testing practices and meticulous integration assessments, we form an impenetrable shield that fosters unwavering trust and confidence in every Omnia audit.

**Roles & Responsibilities:**

* Conducted **Functional testing, Regression Testing** using **selenium** with Data-driven framework and Key- Word driven framework.
* Executed **Cross-browser** and **parallel** testing across Chrome, Firefox, and Safari through the implementation of **TestNG** and **Maven** on the Selenium grid.
* Utilized **AzureDevOps** to track bugs and maintained the flow of iterations.
* Designed & Implemented a **Hybrid Test Automation** Framework using **Selenium Web Driver**.
* Proficient in creating **test plans, designing test cases, conducting test case reviews, executing test cases, scripting**, utilizing testing tools, managing defects, and preparing comprehensive test reports.
* Proficient in organizing **test suites, test cases, and test methods** for regression and functional testing, employing **TestNG** annotations such as **Groups, Parameters, Data Providers,** and **Tags**.
* Engaged in employing the **BDD** framework to create **Cucumber** step definitions, scenarios, and features based on acceptance criteria.
* Experience in **Core Java**, development by applying different concepts like **OOPS concepts**, **Collections**, **Strings**, **exception handling and Multithreading**
* Involved in **DevOps** Migration/automation processes for **Build** and **Deploy** systems.
* Performed **Database**/**Backend** testing by writing complex **SQL** Queries for data validation and integrity, good at writing complex **Joins** and knowledge in PL/SQL
* Extensive experience in implementing automation tools such as **Selenium Web Driver, JUnit, TestNG, Eclipse, Git/GitHub, Jenkins, SOAP UI, and REST with POSTMAN.**
* Conducted multiple web services validations within **SOA** architecture using **SOAP UI Pro**.
* Proficient in testing Web Services within the **SOA** architecture, handling **XML** transactions, **SOAP**, **HTTP**, **WSDL**, and **REST**, using tools such as **SOAP UI/Ready API and Selenium**
* Executed Web Service **API** **testing** for UI content verification and validation, incorporating business logic **XML**, using **SOAP UI and JMeter**.
* Participated in **Defect Review Meetings**, **build** **meetings**, and **release** **meetings** to address and resolve outstanding issues.
* Developed and maintained automated test scripts for **API testing** using **Restful services**.
* Designed **data-driven testing** in **Selenium** and dynamically captured data from **web controls**.
* Involved in implementing **logging** and tracking using **Jira.**
* Participated in preparing the **Traceability Matrix**, mapping Test Cases with requirements, and managing Test Metrics in Quality Center.
* Extensive experience in both **Waterfall** and **Agile** projects, closely collaborating with **Product Owners** in Agile methodologies.
* Involved in **Automation Feasibility Study** for Web based applications
* Active involvement in various ceremonies such as **Sprint Planning meetings, Scrum sessions, Backlog grooming, Sprint Review, and Retrospective meetings.**
* Participated in **performance** **tuning** and addressed **debugging** issues during testing and **deployment phases**

**Environment: Agile, JIRA, selenium, scrum ,TestNG, JAVA, POM, SOAP, HTTP, WSDL, cucumber, Swagger, BDD, TDD, Selenium, Docker, JMeter, Postman, Jenkins, REST, HTML, SVN, GIT, Java, DBeaver, MySQL, Mongo DB**

# Senior Software Quality Assurance Engineer

# Vitech Systems Group

# Hyderabad, India

# Client: State of Newyork

# Project 1: NYC Board of Education Retirement System USA June 2018- October 2021

 BERS ensures the financial well-being of educators by securing their futures through a customized Qualified Pension Plan designed for individual tiers and services. To guarantee precision and effectiveness, BERS employs a cohesive platform, backed by QA methods, streamlining crucial functions like personnel record management, benefits administration, payroll processing, and financial transactions. Rigorous testing ensures accuracy and efficiency, enhancing overall personnel management and reinforcing the reliability of the pension plan for educational staff.

**Roles & Responsibilities:**

* Proficient in crafting **Automation frameworks** within **Selenium**, including Data-driven, Keyword-driven, and Hybrid frameworks.
* Establish and follow standardized Software **Quality Assurance methodologies** and adhere to best practices in QA processes.
* Engaged in **creating and execution plan**, preparing test data, and designing test cases.
* **Analyze and review the system test requirements**, Functionality, develop Test plans, prepare test data and manage them.
* Selected test cases for **automation and executed functional** testing on the front-end using **Selenium** (IDE and Java Web Driver). Created a **Data-Driven framework** using **JUnit**.
* Evaluated **batch files** (import/export) to identify testing requirements and facilitated the import/export process for employers to assess transactions and contributions, subsequently disbursing the corresponding amounts.
* Utilized **JIRA** to track bugs and maintained the flow of iterations
* Employed Docker technology to facilitate seamless integration of automated tests into continuous integration/continuous deployment (**CI/CD**) pipelines.
* Collaborated with cross-functional teams to implement **Docker-based testing** solutions, ensuring alignment with project goals and timelines.
* Proven expertise in utilizing **Splunk** for the extraction, transformation, and visualization of data, thereby enhancing capabilities in monitoring and troubleshooting.
* Crafted intricate **SQL** queries for conducting database testing and **batch job testing.**
* Initiate meetings with the Business users to **interpret the Use Cases** for each release.
* Implemented performance testing with **Apache JMeter,** optimizing system response times and ensuring scalability for a healthcare appointment scheduling application.
* Skilled in various testing methodologies including **Smoke Testing, Backend Testing, Black-Box Testing, User Acceptance Testing (UAT), Functional Testing, Positive/Negative Testing**,
* Well versed with **System Testing, Regression Testing,** and GUI Software Testing, Ad- hoc Testing, Cross Browser/Cross Platform Testing, UI Validation, Web Services, and Boundary Value Testing.
* **Automated regression tests** using **Selenium with Java**, **C#** resulting in a 30% reduction in testing time for a web-based Healthcare management system.
* Highly knowledgeable in navigating various management scenarios, encompassing Change Control, Quality Assurance, **Defect Tracking**, System Integration, and **Task Scheduling.**
* Developed test cases for an **object-driven framework** for Selenium Web Driver. Compiled **a Test Completion Report**
* Conducted **compatibility testing** with various confidential mobile handsets to ensure seamless functionality.
* Developed the Test Plan, Execution Plan, Test Strategy, DSR, Test Closure Documents, NOD Plan, and **UAT** documents.
* Resolved **severity and criticality** of defects amicably with both the business and development teams.

**Environment: JIRA, Scrum, Agile, Confluence, Postman, Apache POI, JMeter , ETL, TestNG , Ready API, Jenkins, REST, HTML, Swagger, Amazon Web service (AWS), Java,Node.js, splunk ,DBeaver, Angular JS, DB2, Aurora, MySQL, Spring, BugZilla**

# Project 2: State of Arkansas - APERS (Arkansas Public Employees Retirement System)

The Arkansas Public Employees Retirement System (APERS) is a vital state-sponsored pension program catering to public employees in Arkansas. With a mission to provide retirement income to members, support survivors, and aid disabled participants, APERS carefully manages contributions through prudent investments. The system disburses monthly benefits to retirees, survivors, and disabled members, covering various public sectors

**Roles & Responsibilities:**

* Developed **Test Plans**, **Test Summary** and Requirement Traceability Matrix (**RTM**) documents.
* Involved in a project where **BDD** (Behavior Driven Development) and **TDD** (Test Driven Development) were implemented using the **Cucumber** framework with **Java**, **JUnit**, and the **Page Object Model**
* Demonstrated experience with **Spec Flow**, implementing behavior-driven development (**BDD**) practices to create automated tests for improved software quality.
* Work within an **agile** and waterfall methodology environment.
* Developed automated tests in a cloud environment using **Docker** Containers to enhance scalability and resource efficiency.
* Utilized **Docker** Containers for creating isolated and **reproducible test environments**, streamlining the testing process.
* Convert business requirements into **functional requirements**.
* Provided estimates for test initiatives and met the expectations within the budget limits.
* Analyzed test cases and functional specifications to determine the optimal approach for **automating scripts.**
* Created automated scripts to **generate test data** for the development team.
* Implemented a **Data-Driven Framework** to retrieve data from Excel utilizing **Apache POI.**
* Coordinated with developers and documented defects in **JIRA** for tracking purposes until resolution.
* Prepared the **superclass**, common function libraries, and data pools in alignment with **automation test cases**.
* Developed and maintained automated regression test cases in **Selenium Web Driver** using Core **Java**.
* Used **Soap UI** and **Restful** services for testing Web Services for testing Angular js.
* Engaged in testing services through **SOAP/REST** using SOAPUI and Groovy Script.
* Configured Maven for Java automation projects and developed the Maven Project Object Model (**POM**).
* Established the testing environment and maintained the framework using **JAVA**.
* Generated and documented comprehensive and detailed technical specifications for all custom report and file extract projects.
* Experience in **ETL Data Warehousing**, database testing using Informatica for **Workflow** process.
* Utilized **JIRA** to track bugs and maintained the flow of iterations.
* Implemented best practices for **containerized testing,** resulting in more robust and maintainable **automated test suites.**
* Participated in **Data-Driven and Hybrid** approaches using **Selenium** to transform manual test cases into **automated** **scripts**.
* Using Base URL to run Test Cases in Different Web Browsers in **Selenium**.
* Generated, parsed, and validated **JSON** and **XML** formatted data using Groovy Script for data received in response from **REST API calls**.
* Configured and maintained **Jenkins** to implement the Continuous Integration (CI) process. Integrated the tool with Maven to schedule builds.
* Participated in User Acceptance Testing (**UAT**) for the application.
* Involved into Installation Testing, Smoke Testing, Functionality Testing, Regression Testing, GUI Testing, Compatibility Testing
* Reviewed test cases created in accordance with the **Change Request document**. Conducted testing based on Change Requests and Defect Requests.

**Environment: Agile, JIRA, selenium, scrum , JAVA, POM, SOAP, cucumber, Swagger, BDD, TDD, Selenium, Docker, JMeter, Postman, Jenkins, REST, HTML, SVN, GIT, Java, DBeaver, MySQL, Mongo DB**

# Software Test Engineer

# Appstek Solutions

# Hyderabad, India

# Client: MetLife June 2016-May 2018

# MetLife Inc. is a global provider of insurance, annuities and employee benefit programs, the Quality Analyst scope is integral for validating the reliability of our advanced claims processing solution. It involves meticulous end-to-end functionality validation, focusing on intricate processes like claims submission, evaluation, and approval. QA efforts include centralizing claim data, optimizing workflow automation, and ensuring data accuracy. Reinforces our commitment to delivering seamless, efficient, and accurate solutions in the dynamic landscape of insurance and financial services.

**Roles & Responsibilities:**

* Engaged in gathering and analyzing product **requirements**, and developed clear test cases along with other related documents.
* Experience in utilizing web debugging tools such as **XPath, FirePath, and Firebug**. Proficient in providing efficient locators and strategies, including **XPath** and **CSS**, for running web-driven scripts.
* Participated in the preparation of the **execution plan,** **test data preparation, and test case design.**
* Executed **SOAP**-based web services API testing using Java client and SOAP UI.
* Developed a Java-based library to read test data from **XML** and Properties files using **JUnit** and **Selenium**.
* Responsible for planning, executing and managing the UI automation scripts.
* Utilized **Selenium Web Driver** to script test scenarios for comprehensive regression test coverage.
* Formulated manual test cases and collaborated with diverse stakeholders to review and validate functionality.
* Conducted data testing by crafting complex **SQL** queries for count validation, data type validation, exception queries, or minus queries.
* Tested **initial load and delta load**, and wrote SQL queries for duplicate validation and non-null column validation.
* Collaborated extensively with the ETL team to construct and **validate** **mapping** logic for Business requirement.
* Worked on mapping variables, mapping parameters, workflow variables, and session parameters to extract additional data.
* Performed system functionality testing and regression testing using test cases in HP QC (**ALM**).
* Participated in **test planning** and provided estimates for test efforts.
* Coordinated with multiple teams for the **integration project** and effectively delivered high-quality test results within the specified timelines.
* Conducted a wide range of management tasks, including **status reports** and test result **analysis and verification**.
* Demonstrated extensive experience in planning for Sprint validation and provided support to the development team in testing quick fixes when encountering any issues.
* Developed and executed test cases for end-to-end (**E2E**) testing and regression testing, reporting identified defects. Participated in defect triage meetings and organized scrum standup meetings as needed.
* Good Experience in testing both **SOAP** and **REST** services using **SOAP UI, Postman, Rest Assured** and Tested both **XML** and **JSON** formats.
* Utilized **SVN, GIT, and CVS** for managing code versions in the control systems.
* Experience in doing performance testing of service using **JMeter**.
* Skilled in implementing data testing strategies within **Snowflake** to ensure data quality and integrity, including validation, automation, and regression testing.
* Experienced in planning and executing data migration projects, optimizing Snowflake databases, and troubleshooting issues for improved performance and efficiency.

**Environment: Selenium, Agile, JIRA, Scrum, C#, Cucumber, Confluence, Postman, SOAP, Rest API, Jenkins, REST, HTML, Swagger, Selenium, JMeter, Snowflake, SVN, GIT, Java,Node.js, DBeaver, Angular JS, DB2, MySQL.**

**EDUCATION**

**Master of Science, Information Systems**

# University of Utah, Utah. August 2022-August 2023

* System Analysis and Design, Business Analytics, Database Theory and Design, Servers, Cyber security Management, Python, Analytical decision models, Data Structures & Java, Cloud Computing, Data Visualization, Advanced SQL

**Bachelors, Information Technology**

**Jawaharlal Nehru Technological University, India August 2012- May 2016**

* Software Engineering, Database Management System, Algorithms, Programming Languages, Computer Architecture, Advanced Data Structures, Design & Analysis Algorithm, Web Technologies, Compiler Design, Data Mining, Date Warehouse