**Professional Summary:**

* Senior QA with more than 14+ Years of IT industry experience in Software Testing (Manual and Automation) with a solid understanding of Test Planning, Test Design, Test Execution and Defect Reporting & Tracking.
* Experience in Health Care, Financial, Banking, OTT Platform, Media/entertainment, Infotainment and Ecommerce Domains.
* Expertise in Understanding and Analysing Test Requirements, Tracking changes and maintenance of Test Requirements.
* Performed end-to-end API testing Web Services (REST & SOAP) using tools like Postman, SoapUI, and cURL, validating request/response structures, status codes, headers, and payloads. API web services.
* Extensive experience in ETL /DATA warehouse backend testing and BI Intelligence testing.
* Proficient in implementing and designing automation frameworks Page Object Model, Keyword Driven, Data Driven and Hybrid Frameworks.
* Knowledge of data-driven tests using Tosca Test Data Service (TDS) and Tosca Query Language (TQL)
* Bug Reporting or Defect tracking using HP Quality Centre, JIRA, and Clear quest.
* Expertise in Grouping of Test Cases, Test Methods and Test Suites for regression and functional testing using the TestNG (Groups, Parameter, Data Provider).
* Experience with Cross-Browser and Compatibility Testing to test whether the web applications are working as desired in different browsers and environments.
* Involved in Continuous Integration (CI) and continuous development (CD) testing
* Strong SQL skills and understanding of relational databases. Worked on PL/SQL query preparation and execution.
* Good practice of Gray box testing, Black box testing, White Box testing, Integration testing, Sanity testing and smoke testing, end to end testing etc.
* Good knowledge of java script and BDD framework, Karate frame work, expertise in REST API automation testing using Rest Assured Java.
* Gave Proof of Concepts (POCs) for the new emerging technologies to the Share holders and upper management to improve the quality of the QA team
* Worked as a QA Lead, overseeing end-to-end test planning, execution, and delivery for multiple projects.
* Trained and mentored junior QA engineers, ensuring consistency in test practices and accelerating their onboarding.
* Conducted knowledge-sharing sessions and created QA onboarding documentation to streamline training.
* Led daily stand-ups, defect triage, and sprint planning meetings, acting as the bridge between QA, development, and business teams.
* Led cross-cultural QA team coordination, promoting knowledge sharing, alignment, and consistent test practices globally.
* Collaborated with offshore QA teams across multiple time zones (APAC, EMEA, North America) to ensure seamless testing and communication
* Facilitated effective collaboration between onshore and offshore teams, aligning on test strategies, priorities, and issue resolution.
* Implemented best practices for test case design, execution, and automation, enhancing team productivity and test coverage.
* Reviewed and approved test cases, scenarios, and execution logs prepared by junior QAs to ensure completeness and accuracy.
* Encouraged the use of modern tools (e.g., JIRA, Tosca, Selenium, Postman) by junior testers through hands-on demos and peer pairing.
* Ability to plan the project work, resources, risk analysis, schedules, development cycle & test cycle with maximizing resources utility and to ensure the successful delivery of all projects.

**Technical skills:**

**Testing Tools** Selenium WebDriver, WDIO7, Karate, TestNG, Jenkins, GIT, AWS, JMeter

**Programming Languages** C++, Core Java, Java Script, Python, Playwright, XML, HTML.

**Database** MS SQL Server, PostgreSQL, Oracle 10g & 11g,

DB2

**Operating Systems** Windows, MAC, UNIX/Linux

**Browsers** Edge, Firefox, Chrome, Safari

**Defect/Requirement Tracking tools** JIRA, Clear Quest, ALM,AZ Devops

**Tools** Postman, SOAUI, Charles Proxy, one confluence

**Other** Microsoft Office, MS Power Point, MS Outlook, SOAP,

Foxie 42, WinSCP, Filezilla

**Education:**

* Master’s in CIS, Bellevue University, Nebraska. Dec 2010.
* Bachelor of technology from JNTU, Hyderabad in India (2006)
* Certified Sales force Administrator, Certificate ID: 2687454
* Certified Sales force Platform Developer I, Certificated ID; 2701262
* **AWS Certified Cloud Practitioner** (Validation Number: 28FLCKS1GEVQ1RCH)
* **AZ-900** Microsoft Azure Fundamentals Credential ID MS0994532321Credential

<https://learn.microsoft.com/api/credentials/share/en-us/SrinivasDuda-2597/971D5F57C4CC9061?sharingId=D0DD3DFBF3633A30>

**Professional experience:**

**Auto Desk, Remote April-2023 – Present**

**QA Lead/ Senior Software Engineer**

**Project Name: Apollo R2- E2E Integration Team**

The Autodesk Delivery Platform is a modern, scalable system that Autodesk customers use to access their product subscriptions. Apollo R2 is the Project I was working as E2E QA lead, Autodesk Delivery Platform End-to-End QA Lead – Apollo R2 Program, Lead the QA efforts for Apollo R2, a transformative initiative modernizing Autodesk’s legacy systems by integrating advanced testing tools such as Playwright. Spearheaded the quality assurance strategy for transitioning to a modern, scalable delivery platform, enhancing customer access to product subscriptions. Collaborated cross-functionally to streamline offerings, pricing models, order capture, finance, and reporting systems, driving operational efficiency and business model flexibility. Ensured high product quality and seamless end-user experience through comprehensive E2E test automation and robust integration pipelines.

**Roles and Responsibilities:**

* Developed and maintained end-to-end test automation scripts using Playwright with JavaScript for web applications across Chromium, Firefox, and WebKit browsers.
* Automated complex user journeys including login, form submissions, and role-based access using Playwright test framework in JavaScript.
* Implemented Playwright-based test automation for a high-traffic Autodesk Agents Portal, Customer Portal, Sales representative application achieving over 80% automation coverage for critical user flows (e.g., user login, checkout, payment).
* Integrated Playwright with AWS Lambda for parallel test execution, reducing execution time for nightly regression tests by 50%.
* Designed and executed functional, negative, boundary, and integration test cases for Web Services based on SRS/BRD.
* Used Playwright's capabilities to capture screenshots, videos, and trace logs for debugging and reporting failures.
* Validated JSON and XML response schemas, ensuring data integrity and compliance with API contracts.
* Tested APIs secured with OAuth2.0, JWT, Basic Auth, and API keys to validate authentication and authorization mechanisms.
* Performed API testing for AI-powered services such as recommendation engines, chatbots, and fraud detection systems using Postman and RestAssured.
* Designed and implemented BDD test scenarios using Cucumber/Gherkin syntax to validate application workflows and business rules.
* Developed step definitions and automated test cases using Java, Selenium, and Cucumber to support end-to-end BDD testing.
* Participated in 3 Amigos sessions with Product Owners and Developers to refine user stories and translate them into BDD scenarios.
* Performed log file validations using tools like Splunk, Kibana, and tail/grep to verify backend processing and trace failures.
* Assisted in setting up the test automation framework and enhanced existing testing methodologies using Playwright.
* Automated the E2E flow Sales force CPQ to Customer successfully placing the Order
* S4 Hana validation automated such Revenue contract, price of the product, taxes, SOM number other contractor details.
* Scripted a code to verify the order is synced to S4 and SOM generated for it.
* Created reusable code for global country End User accounts, Agents account and Reseller Accounts, placed a Quote, Sales Oppty, added products in SFDC and Sent a CPQ quote to Customer to place an order.
* Spearheaded the implementation of Playwright-based automation frameworks to improve test coverage and reduce regression testing time by 40%.
* Led a team of 6 QA engineers in the adoption and customization of Playwright for cross-browser testing, enhancing the test suite’s stability and scalability.

**Oportun, Remote Oct2021 – March 2023**

**QA SDET**

**Project Name: Dolex Partner Loans**

Oportun, Inc. operates as a financial institution. The Company offers personal loans and other financial services. Oportun serves customers in the United States. Using the 3rd party stores such Dolex, Pronto, Barri and meta bank etc, loans are disbursed and loan payments made at stores and online.

**Roles and Responsibilities:**

* Designed and implemented end-to-end test automation frameworks using C# with Selenium WebDriver for UI testing.
* Developed and maintained API test automation using RestSharp and HttpClient in C# to validate RESTful services.
* Utilized NUnit/xUnit/MSTest frameworks to write, organize, and execute unit, functional, and regression tests.
* Built data-driven test cases using C# and external data sources like Excel, CSV, JSON, and SQL databases.
* Captured test evidence and generated detailed HTML reports using ExtentReports or Allure with C# integration.
* Integrated test suites into CI/CD pipelines using tools like Azure DevOps, Jenkins, or GitHub Actions.
* Performed integration and regression testing for applications using MongoDB as the primary NoSQL database.
* Validated CRUD operations (Create, Read, Update, Delete) on MongoDB collections using automation and manual testing techniques.
* Wrote Groovy scripts to validate REST and SOAP responses including status codes, headers, and payloads.
* Wrote custom Groovy scripts for Jenkins pipelines to automate test execution and deployment.
* Automated API tests using Groovy scripting to validate REST web services and assertions.
* Created and executed test cases for AWS Glue Data Catalog to ensure proper table creation, partitioning, and metadata population.
* Performed end-to-end testing of data pipelines involving Glue, S3, and Athena/Redshift.
* Used CloudWatch logs and metrics for test log analysis and troubleshooting in distributed systems.
* Performed testing on AWS Lambda functions, validating input/output with test event payloads
* Validated data flow and integrity across AWS services including S3, Glue, Lambda, SQS, SNS, and DynamoDB
* Experience in performing manual testing using Android Studio Emulators, IOS Simulators and Mobile Application Testing using Automation tools like Appium.
* Developed and maintained automated API test scripts using the Karate framework, enabling end-to-end testing for RESTful web services with minimal code.
* Created data-driven test scenarios in Karate using external JSON, CSV, and Excel files to validate multiple input conditions efficiently.
* Integrated automated test suites (Selenium, NUnit, JUnit) into Bamboo CI/CD pipelines to ensure continuous testing after every build.
* Configured Bamboo build plans to trigger automated tests for regression, smoke, and sanity testing across environments.
* Implemented test result reporting and failure alerts in Bamboo using plugins for JUnit/NUnit/TestNG XML reports.
* Coordinated with DevOps teams to integrate Bamboo with Git, enabling version-controlled test execution.
* Validated secure APIs by automating OAuth2, JWT, and Basic Auth flows using Karate's reusable configuration and header injection capabilities
* Used SauceLabs for cross browsing testing and multiple operating Systems
* By using the SauceLab I was able to test different versions of browsers
* Performed acceptance and regression testing across projects and API integrations
* Coordinated with regression test team across the world with India and Mexico team
* Built robust unit and UI tests in Kotlin for validating business logic and app functionality across different devices and OS versions.
* Collaborated with developers to design and implement testable architecture in Kotlin-based mobile applications.
* Utilized Kotlin features such as extension functions, null safety, and coroutines to write clean, maintainable automation code.
* Executed BDD-style tests in Kotlin using frameworks like Cucumber with Kotlin DSL, improving test readability and collaboration.
* Integrated Kotlin-based automation scripts into CI/CD pipelines (Jenkins, GitLab CI) for continuous validation.
* Analyzed and debugged test failures using Android logs, Logcat, and custom test reports in Kotlin.
* Utilized Espresso APIs to simulate user actions (clicks, scrolls, swipes, typing) and validate UI elements' behavior and visibility.
* Integrated Espresso test scripts with AndroidJUnitRunner to manage test execution and result reporting.
* Implemented Page Object Model (POM) pattern for better reusability and maintainability of UI test components.
* Performed end-to-end testing of Android features such as login, navigation, and data input using Espresso matchers and view assertions.
* Executed functional and regression tests for Couchbase-based applications.
* Used Jmeter for the performance testing of the application
* Used Karate frame work to verify the E2E scenarios of the payment process
* Used java script for the Karate frame work to implement the step definitions
* Worked on JIRA for defect/issues logging & tracking and documented all my work using CONFLUENCE
* Working experience with offshore team, giving the tasks to Offshore team when integration testing going on.
* Executed functional and regression tests for MongoDB-based applications.
* Utilized test management tools to track and manage test cases and defects.
* Verified data consistency and integrity by testing CRUD operations and MongoDB queries.
* Assisted in the deployment and monitoring of MongoDB clusters.
* Conducted compatibility testing across different environments and platforms.
* Used swagger tool for making the micro services call
* Used postman tool for API testing, created service level collections to check and verify the API is returning the accurate data

**Environment:**  Ubuntu Selenium WebDriver, Apache Tomcat Java, DevOps, CSS, X-path, MAC, Linux, GIT, SOAPUI, TestNG, MongoDB, Maria DB, Visual Studio, IntelliJ Jenkins, Sauce Labs, Maven, Swagger, Eclipse, JDK

**SiriusXM Radio, Inc, Lawrenceville, NJ Oct’2017 – Oct 2021**

**QA Senior Software Engineer**

**Project Name: MDDB Streaming Services**

Satellite Radio application available on SAT/IP channels with various variants like EMMA, FCA RAM, FORD, BMW, AUDI, and GM on various builds. MDDB (Meta data database), Subscribers consumes data from MDDB via API calls. MDDB mainly have channel, PAD/PDT, EPG, AOD, SPORTS, and Video on Demand, Carousels, Annotator and Similarity data components. The web service calls mostly made through IOS, Android, web clients, 10 ftp client, 360 L clients and other business version players. Other applications we provide the data those are Mountain (AWS), TAG (Discovery Team), Analytics), BI and AOD systems.

Application built on PHP, C# and backend system is Postgre Sql. Defect tracking tool we are using is JIRA. For source control we are using GITHUB. MDDB application as to make sure the data is available all the time whenever the request comes. Also, we have media players web pages where we check each service is getting displayed correctly.

**Roles and Responsibilities:**

* Worked As product gatekeeper before releasing the SiriusXM application to Customer
* Involved in Automotive In-Vehicle Infotainment software, verification, and validation
* Involved in Testing of Infotainment Features AUX, Bluetooth, Voice Recognition Search
* Performed testing on SXM/AM/FM features such as TUNE, SEEK, SCAN, FAVORITES
* Reading the CAN messages though vehicle Spy
* Test in Different OEM Automotive vehicle audio functionality features
* Worked on Manula API testing using the Swagger, Postman tool and validated API end points and web apps functionalities.
* Designed BDD Frame work for the API automation using the cucumber, gradle, Jenkins, TestNg and git repo.
* Created Feature file with Gherkins language and step definitions used java code
* Developed feature, scenario, step definitions for the backend testing
* In Vehicle/bench testing, log collecting and documentation the defects with screen shots
* Worked on Pandora application for Video streaming (OTT) which is owned by SXM.
* Ensured video playback works smoothly across web, mobile, smart Devices, and streaming devices
* Tested and validated "throttling" in Charles Proxy buffering, lag, and startup time.
* Used Charles throttling with Appium or manual OTT playback testing to simulate real-world streaming issues.
* Validated adaptive streaming behaviour (especially in OTT apps). Checked loading indicators, timeouts, retries, and fallback UI.
* Validate core functionalities: login, registration, search, browse, play, pause, resume, rewind, subtitles
* Validated in app and out of app notifications, Artist Alert, Song Alert, and sports notifications
* Implemented test automation scripts for mobile testing using Appium for android and IOS applications
* Cross browser testing is performed using the Browser Stack testing tool.
* Worked on Blue tooth products on both IOS and Android using Appium.
* Used Charles proxy for API end point testing, integrated Sirius XM devices with Charles proxy to validated APIs
* Used rewrite functionality in Charles proxy to test negative API test cases and expected results
* Tested a number of complex ETL mappings, mapplets and reusable transformations for daily data loads.
* Developed SQL Queries/scripts and similar artifacts to validate the completeness, integrity and accuracy of Data within an ETL process testing cycle.
* Developed complex SQL queries for data validation for verifying the ETL mapping rules.
* Leading, Managing, mentoring and assigning the tasks to the Global Testing Team which also includes educating them on new requirements.
* Facilitating Defects Triage meeting and informed senior manager of risks and issues discovered while testing
* Gave signoff for the modules on each sprint with summary reports of the testing
* Used Charles Proxy for debugging purpose for the API end points and request response body for the application.
* Analysed requirements, crated Test Plans, written Test Cases and Executed test cases for SXM application features for in-market builds and upcoming market builds
* Validated Infotainment in vehicle features Vehicle safety, source change SXM, FM, AM etc…
* Actively participated in daily Scrum with the team and involved in sprint meetings, managing product backlog, removing obstacles to progress, prioritizing and review milestones and accomplishments.
* 3 environment monitored Prod, UAT and QA for 50+ services, using Postman created a collection group and integrated with Newman.
* Have used BDD frame work and gherkins langue for creating test cases
* For continuous monitoring of services deployed the collection link in Jenkins to monitor every 15mins, build use to trigger and send if any failures occur.
* Rest services calls made through the Java code used HttpGet, HTTP Client, HTTP Response classes and written xml file into local system using HttpEntity class.
* Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
* Management and Administration of AWS Services CLI, EC2 , VPC , S3 , ELB Glacier, Route 53 , CloudTrail , IAM , and Trusted Advisor services.
* To read JSON response used JSON Object, JSON Array classes and created reports.
* Used kotlin for android testing, Server-side testing, Back-end testing for the android app testing and web browser testing.
* Integrated test case execution with zephyr to record the results.
* Coordinated with developers and record defects in JIRA to track until they are resolved.

**Environment:** VM Ware, Ubuntu Selenium WebDriver, Apache Tomcat 9.0,Apache POI, Java, DevOps, HTML,JSP, CSS, X-path, Windows, Linux, Apache Kafka, kafaka servers, Zookeepers, GIT, SOAPUI, TestNG, Post Grey (PGAdmin 3), Jenkins, Sauce Labs, Maven, Postman, Eclipse, JDK 1.8

**BCBSM (Provider System also called Portico), Detroit, MI June 2011 - Sep 2017**

**Sr. Automation Engineer (Selenium Web Driver)**

**Project Name: SBP17100-Portico Upgrade**

* During my 7years of BCBSM worked on multiple projects Member portal, Provider system, Facets, Common Service and Claims.
* In 2009, BCBSM implemented version 6.2 of McKesson Provider Manager (formerly known as Portico System). Since then, the product had 3 major releases (current version is 9.4) which BCBSM didn’t implement.
* Also, servers used to host the Portico web application are past end of lifecycle.
* To prevent unrecoverable hardware failure, the hardware needs to be refreshed. Refresh of the hardware requires that current version of Web Sphere Application Server (7.0) be used.
* HealthSparq is a third-party application where users can find the doctor’s information by SSO from BCBSM to HSQ site. For Doctors Search this tool was developed and where plan members can verify their cost estimation for the treatments and other general search they can do.
* Provider System Base and on flight projects
* Common Service team projects
* IMT 2.0 / SMS Integration for Benefit Shift
* Incentive Management Tracking (IMT) 2.0 (Agile)
* A new front-end screen entry accessible from the provider portal, will re-direct providers to either the BCBSM or the BCN qualification form based on the member contract. The application will have its own data store and backend processes.
* IMT design provides a base platform to support rewards, incentives and compliance tracking in a real-time environment that can be used for Incentive Management, Member Portal Integration and Customer Service Calls. The current design allows IT to reduce the cost and increase speed to market for WCM Incentive Management Programs by reusing the base platform.

**Responsibilities:**

* Developed detailed estimation for testing tasks (Requirement analysis, test planning, test design, test execution, reporting, and test closer activities)
* Assisted the analysis team in performing the feasibility analysis of the project
* Closely worked with developers and product owners in an Agile Environment using technical stories to create automated APIs (REST/SOAP) and built a framework for continuous support for future releases.
* Automate test cases using BDD method with Cucumber, Selenium/Java, build framework for web based application from scratch.
* Configured Selenium Web Driver, Test-NG tools and created Selenium automation scripts in java using Test-NG prior to next quarter release.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium Web-Driver with Test-NG.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium Web Driver.
* Prepared user documentation with screenshots for UAT (User Acceptance testing) using Selenium Screenshots.
* Worked and did BCBSM related internal training regarding Health care policies such as HIPPA, FACTES, EDI 835, EDI 837 Claims, EDI 834 etc..
* Used Apache POI to read data from Excel sheet reading and writing.
* Performed continuous integration automation testing using Jenkins.
* Involved in writing test scripts using java and executed it through selenium cucumber
* Involved in validating functional, Integration and Regression test suites using Selenium Cucumber
* Hands-on experience in automation testing using UFT (Unified Functional Testing) with VBScript.
* Designed and implemented data-driven, keyword-driven, and hybrid test frameworks in UFT.
* Developed modular and reusable test scripts using Action Libraries and Function Libraries.
* Automated end-to-end test scenarios for web-based and desktop applications using UFT.
* Integrated UFT scripts with HP ALM / Quality Center for test management and execution tracking.
* Performed parameterization, checkpoint validation, and error handling mechanisms in UFT test scripts.
* Created custom functions and reusable components to reduce script maintenance.
* Conducted batch execution, test suite creation, and result analysis using UFT and ALM.
* Using Cucumber handled Business scenario input and results data in data driven testing
* Worked with developer to reproduce the bugs and to resolve usability issues during UAT
* Developed and executed SQL queries on Oracle database to validate test results
* Managed defect Tracking, Reporting and Retesting across various test cycles
* Performed Regression Testing after Bug Fixing and Modification
* Performed Informal Smoke Testing in testing environment to check that new build is pushed successfully
* Worked with EDI forms such 834, 835, 837 etc.. for the claims process
* Worked in common servicea team to test the API calls which SOA like Determine Contract eligibility, Group member eligibility.
* Performed Input Validations, User Interface Validations, Browser Compatibility testing and Navigation testing.
* Worked in a fast-paced agile environment & attended daily scrum meetings
* Participated in bug review meetings on behalf of the QA team and providing signoff for the builds in production.
* Migration testing compared source tables and target table data flow.

**Environment:** TOAD, Windows 8, UNIX, Clear Quest, Subversion, WAS 6 Application Servers, Selenium Web driver, TestNG UML, JavaScript, XML, XSD, XSLT, UNIX, Windows 8 and Python Scripting, ANT, SOAP, Eclipse.

**TD Ameritrade, Omaha, NE Oct 2010 – May 2011**

**Automation Tester**

TD Ameritrade is a leading organization it has provided brokerage and investment services for over 30 years. Through our brokerage subsidiaries, we provide innovative, powerful online trading tools and services to individual investors. We believed in teamwork, putting clients first, building strong relationships, achieving quality results and working with integrity.

**Responsibilities:**

* Created detailed Test Plans and project staffing estimates, and conducted test script walkthroughs to ensure that testing coverage is adequate.
* Conducted exploratory testing on various environments
* End to End Workflow functional/Integration testing.
* Compatibility testing –Multi Browser/Multi –OS/Interface backward Compatibility in native devices and in Emulator and simulator
* Coordinating with Client teams for user requirements and issue follow-ups.
* Introduced best QA practices to the system
* Introduced automation and gave training to team members on automation on various tools and frame works.

**Environment:** JDK 1.4, JSP 2.0, UML, JavaScript, AJAX, CSS, JDBC, JNDI, Eclipse, XML, HTML, Java, JavaScript, Object Oriented Design Programming, DB2