

LOKESH SRINIVASA**Senior Test Analyst (Test Automation Lead)**Email: luky019@msn.com Mob: +44(0)7300300990LinkedIn: [linkedin.com/in/lokesh-ms](https://www.linkedin.com/in/lokesh-ms)**PROFILE SUMMARY:**

A skilled ISEB/ISTQB accredited Senior Test Consultant, with over 17+ years' experience in IT services across software testing and Business Analysis with strong knowledge of SDLC and STLC across diverse sectors namely Financial (Pensions Insurance), telecommunication, E-commerce/Retail, Gaming and UK Government. Strong learning skills and quick to adapt to new technologies and function effectively on all aspects of project lifecycle. Involved and delivered in waterfall and agile projects. Involved in IT service Consulting, Management and delivery, starting from requirements to design, development to test and post live services activities including data cloud platform across various organisations.

- Test Automation experience of over 10+ years, involved in implementation and enhancements of test frameworks across a number of projects, involved in demonstrating benefits and ROI in best automation best practices. Led several taught workshops in training and development of testing function at various cross functional teams in large organisations.
- Lead client change programmes from a Test perspective, covering test strategy through to test delivery and partner with project stakeholders for day to day planning, brainstorming and execution.
- Highly skilled in Business Analysis & Quality Management, Requirements gathering and analysis, Test Management (Planning, Test strategy, Test data management, Analysis, Effort Estimation, Coordination), Incident Management, Stakeholder Management, BI Analysis, Defect Management, Risk Management and Reporting.
- Extensive experience in Test Data modelling and Datawarehouse testing (7+ years) & Business Analysis (5+ years) in aspects of Data Migration, ETL, Azure (Data Factory, Databricks), Business Intelligence, testing complex systems involving multiple layers and validating analytical computations.
- Excellent written and verbal communication and Proficient with Project Management tools namely *Jira, Confluence, TFS, Zephyr, Zeplin, Test Rail, HP ALM/Quality Center, MS Test Manager, CI/CD pipelines, Test Data preparation.*

TECHNICAL SUMMARY:

Automation/Programming:	Selenium (POM) - Java, Scala, Python, C#, java-Script, typescript, TestNG, JUnit, NUnit, pytest, Webdriver IO, Restful, RestAssured(Java/ Scala), cucumber BDD.
CI/CD:	GitHub, SVN, Maven, SBT, Nodejs, Jenkins, Groovy, YAML, DevOps(AWS, Azure).
IDE:	Eclipse, IntelliJ, Visual Studio Code, Postman, SoapUI,
Test Cloud platform:	SauceLabs, BrowserStack, Perfecto (cross browsers/Mobile apps).
Data Testing / dashboards:	Elastic Search, Kibana, Grafana, MongoDB, MariaDB, MySQL, SQL Developer, Azure data factory, Oracle, ePOS.
Performance & Security Tools:	Gatling, JMeter, OSWAP ZAP (penetration testing).

PROJECTS & ACHIEVEMENTS**Project: HM Revenue & Customs, UK****Role: SDET Lead – Automation, performance, Security & Accessibility Testing. (Dec 19 – June 23)****Tools: SQL, MongoDB, MariaDB AWS, Jenkins, Splunk, Kibana, Jira, Confluence, Selenium, Cucumber, Scala, ZAP, Gatling, RestAssured, Postman, Browser stack.**

Joined as agile Test Automation Lead to provide a range of services on design, liaised with key stake holders such as product owner, Scrum Master, Business Analyst, development team and third parties on enhancements, new product development, mentoring and defining the automation approach & technique as part of CD/CI. Online web applications built on custom built Scala framework incorporating Microservices to integrate with external API models. Custom built Restful microservice to support multiple services under HMRC flagship and internal applications serving UK citizen needs in AWS data cloud platform.

- Responsible for overall test delivery of the project, stating test approach and complete test schedule and support live function.
- Derive test scenarios from business requirements and automate acceptance and integration tests on BDD framework using Scala.
- Automate API testing using RestAssured framework.
- Performance testing for given usage requirements, simulations using Gatling tool using Scala.
- Security/penetration testing using ZAP toolset.

Achievements:

- Commissioning new micro services for development, test, release and maintenance aspects across various projects. Investigate, Create and Prioritise test capabilities on development, test and release pipelines. Highly involved in Live incident investigation, fix and code re-solutions using good knowledge on HMRC platforms and tools.
- Worked on Scala language for automation frameworks, proposed to logical grouping of all cucumber feature tags based on the Customer journey/functionality to reduce 40% of the Jenkins CI pipeline UI tests running time which helps feature story sign-off faster.
- Build new Rest assurance test framework to support several key deliverables across multiple microservices which are used by subscriptions routes. Maintain high standards of test maintainability in live services teams. Prioritise release tickets to production and follow up with key stakeholders.
- Involved in Sprint Backlog review & split, refinement session and end of sprint review meetings. Created an automation training documents to enable the non-automation testers to upskill.
- Handled effectively multiple projects and managing live service team of over 20 services, led all testing resources to improve the process for the effective resource utilization, testing changes and conflicting priorities. Provided key inputs to data visualisations across multiple resources that are sourced by key APIs and supported third party testing activities.

Project: Royal London - Thinkbeyond (Mutual Insurance & Pensions)

Role: SIT Test Delivery and Automation Testing. (Sep 17 – Mar 19)

Tools: Microsoft Team Foundation Server (Azure), Visual Studio, Protractor, Cucumber, C#, NUnit, Jasmine, Typescript, Java, RestAssured, SoapUI, Sonata, CRM, AngularJs, Smartcomms, SQL, ETL, UAT, Laserfiche.

Joined as Senior Test Analyst with a view on onshore and offshore test release and management in SIT team. Testing function as part of various user journey teams based on user types and experiences in Agile model. Worked on design, liaised with key stake holders such as product owner, development team, enhance the automation approach and implement CI/CD technique in Azure DevOps pipeline. ThinkBeyond is a program to deliver new stack services to brand new Enterprise solution to develop new user experience (Angular – one-page application) and enhance capabilities across a number of portals for sales, advisers, customers and internal CRM experience in Microsoft Azure Data cloud environment. Brand new solution to policy administration service via Sonata business services and a number of migration services.

- Onshore SIT test function with a number of offshore resources across various streams of the project and cross functional teams.
- Involved in identification of test requirements, Review, analysis across a number of agile platform teams and core teams on policy administration systems.
- Track and monitor API releases and defects life cycle and resolution
- Involved in analysis, creation and enhancement of BDD test automation suites & API testing using SoapUI & Rest Assured framework.
- Responsible for reporting progress and highlights from various user journey cross functional teams for SIT test preparations on timely delivery of various test execution cycles, releases in SIT and support upstream testing.

Achievements:

- Contributed to SIT test strategy and partner with project stakeholders and product owners for day to day planning, brainstorming and execution.
- Define, prepare and adopt test data requirements from multiple user journeys for offshore test execution.
- orchestrate preparation, progress and delivery of test execution cycles and concluding test gates meetings to schedule on offshore test activities.
- Tracking various user journey teams on daily basis attending scrum meetings to report daily and weekly progress on various services to map all dependencies are identified and sourced for planned test execution cycles.
- Worked with Sales, Investment model and BI teams on interdependencies of test data and identify given API's and versions compatibility for test executions.
- Worked in Customer resource management team for enhanced 360 view of customer modelling and identify any gaps for test execution activities.
- Involved with UX team on UI modules for customer experience and enhancements and Building Blocks team with senior architectural team to understand and test and develop customer reports with Laserfiche team.
- Involved in development of new test framework using typescript to support the testing on new angular platform adopted by the customer, across multiple user journeys for new user interface experience on calculators.
- Involved in Azure CI pipeline to run Map application UI test in parallel which will help to reduce the 40% manual testing effort.

Project: Prudential UK - Pru/PruAdviser CMS

Role: SDET Lead – Web Automation Testing. (Oct 16 – Sep 17)

Tools: AEM, Jira, Zephyr, Selenium, Cucumber, Java, Jenkins, Agile, Web, UAT, BrowserStack

Joined as a Lead Automation Test Specialist to train and deliver a team of 10+ agile testers and 2 resources of API testers in offshore. I own and adopted the 'automate first before you start any manual or exploratory testing' principle to best utilize the tooling supported for the testing and releases of all the projects. Pruadviser & Pru.co.uk websites migration to Adobe Experience Manager. Brand new Enterprise solution is developed on AEM platform to develop new user experience and enhance Configuration capabilities and management across a variety of Network sites.

- Write test automation strategy to define scope for pre-preparation of automation test suites to start testing on code delivery.
- Performed Usability/exploratory testing on implementation of new designs and screen modals.
- Involved in analysis, creation and enhancement of test automation suites in Selenium (eclipse) & Qualatia (script less automation).
- Agile Methodologies - Daily Stand-ups, Refinement Session, Ceremony, PI Planning, Plan iterations, Retrospective, Daily Surgery, Show & Tell.
- Preparation of Test Plan, Test Schedule, Test Approach/Strategy for functional, System Integration Testing.

Achievements:

- Automation framework were developed on Selenium framework and driven tests using Selenium Grid using java.
- Training and Mentoring team members to learn and adopt automate first principle, to enable to use the new automation testing framework.
- Mentored and Supported for this responsive site to provide an optimal user experience with Cross platform mobile (iOS, Android, Windows) and multi device testing (mobile, tablet, desktop).
- Worked with UX design teams, liaised with key stake holders such as product owner/truth, Scrum Master, Technical Architect, Business Analyst, development team and third parties on enhancements.

Project: Allstate NI - Allstate Roadside Services - Mobile (CPS and Web Claims)

Role: Lead – Automation Testing, Business Analysis. (Feb 15 – Oct 16)

Tools: ETL, SQL Developer, RestAssured, Selenium, Grid, Java, Python, pytest, Cucumber, TestNg, XML, Jira, Web, Xframium, Perfecto, SauceLabs, Postman.

Joined as a Senior Test Consultant to provide a range of services in part of Business Change team of 4 agile testers and 5 developers in agile methodologies. Worked on design, liaised with key stake holders such as truth, Scrum Master, Technical Architect, Business Analyst, development team and third-party claims enhancements. I own and responsible for defining test strategy and source test data from used case basis for testing and releases of all the projects. Allstate Roadside Services is the largest in US catering roadside assistance service to wider customers and partners.

Transition from multiple databases to centralized Claim processing system (CPS - informatica) integrating multiple applications like MMA, SPA, Road smart, Web-claims etc. DriveWise Mobile app testing for claims and breakdown recovery including automating Regression suites.

- Review and analysis of backend systems to address test data channel and resource groups for testing regression test suites for automation.
- Involved in Security testing and content testing on mobile native apps.
- Resilience testing on Roadside assistance application to ensure continuous service using load balancing servers.
- API Test Requirements analysis for admin systems and test validations for web and Mobile apps (micro services).
- Involved in creating XML driven test cases for regression testing for both native mobile App and Mobile cloud (perfecto).

Achievements:

- Taken initiative to integrate Selenium Grid and Appium (SauceLabs) capabilities on existing BDD framework which removed the 70% of manual effort for multi browser/device automation tests, efficiently test performed with 100% business/UAT team satisfaction.
- Proposed Rest Assured API based framework to support API automation framework and rolled out across all API based projects in dashboards which reduces the 85% manual regression testing effort during SIT/UAT phases, increases the quality of the deliverable.
- Define and implemented test automation strategy for all teams within in the organisation to drive test resources to adapt low code base solution.
- Worked as lead automation trainer across NI regional offices, held taught workshops for most testing resources including test managers and program heads. Every testing and support resources were enrolled for the mandatory automation training to enhance and automation capabilities across all testing resources, mentoring, supporting to implement/mandate the automation in all projects which increases 40% faster development, reduces the manual testing effort vastly.
- Taken initiative to upgrade webdriver.io v4 to v5 capabilities on existing WDIO framework which helps reduce 20% of unreliable automation tests, efficiently test performed with 100% in CI pipeline for POC. Implemented the Selenium Grid/Headless running capability which will help to run the test in CI pipeline and remote machine for POC.
- Created API Postman collection to inject the credit card data in 3rd party system which help to unblock 40% of development stories.

Project: Wm Morrisons Supermarkets plc (Food Online & EAN Markdown(ePOS)

Role: IT Consultant - Business Test Analyst/Test Lead/Test Data Manager (OCT 13 – Feb 15)

Tools: SQL developer, SQL Server 2008, ETL, ePOS, SMS, Selenium, Cucumber, Java, SQL Developer, QualityCenter 10.0, Qlik view, AppWorks, HPOM

Joined as a Lead Test Consultant, Food-Online is one of the biggest ever programme recently in Retail Industry for WM Morrison Supermarkets Plc. Food.com project is aimed at online program to enable WM Morrison Ltd to trade grocery items through vendors. Accounting Hub is primary system towards Morrison's Online Program which is Europe's largest and most aggressive online offering. Accounting Hub project involved a Data Mart running in Oracle database with Snowflake/STAR schema and testing the number of interfaces like CSV, XML and text files involved from multiple databases including Oracle, SQL Server, and Mainframe integrating the components with third party. The fact tables are created using raw data from various stream sales/delivery which form the data lake platform and a relational storage layer abstracts the underlying files and expose them as tables, which can be queried using SQL. Data aggregations are across dimensions at different levels, enabling you to *drill up/down* to view aggregations at multiple hierarchical levels.

Markdown application, the purpose of the change is to ensure that when a price reduction of a product under Price markdown application followed by Till-scans for sale, that the actual product being sold can be identified along with new Markdown price. This involved re-defining new Barcode format for markdown application and labelling to encode the original 13-digit EAN and new price

- Project combined with ST, SIT, UAT, API Testing and OAT activities for Accounting Hub, Food.com website, Mobile Apps and BI reporting.
- Creating and maintaining test data, complex data extraction, business transformation logic, test data preparation for both Functional & E2E integration tests in Accounting HUB.
- Test complex functionalities like WAC (Weighted Average Cost), Inventory/Stock Adjustment, Base Margin Calculation, Retro Deals, Multi-Save offers/Promotions, Supplier Income & EPOS Margin calculation.
- Tested Business requirements on reconciliation between Stocks, Purchases, Sales and incoming like Accounts Receivable and General Ledger reports. Execution of BI reports developed using Qlik view, OAT on HPOM in Accounting Hub covering recovery scenarios and data integrity
- E2E testing of all the inbound and outbound flows using ODI component along with scheduler designed on APPWORKS.
- Demonstrated complex business case's with Senior Finance Manager to explain the list of scenarios tested for various Functionalities and get the tests sign off.
- Complex Test data preparation for both Functional & E2E integration tests involving Hand Held Terminal
- Test execution, Liaise with development team for updates on store and regional servers. Run batch jobs to derive required outputs on Stock Management System (SMS) between Stocks and Sales.

Achievements:

- Led phase 2 release of accounting hub, responsible for complete delivery of the second phase which mainly introduced the third-party businesses to the inhouse capacity. This was a major release involving high accuracy on profit and gain margins.
- Worked closely with technical architects and Successfully demonstrated the solution to finance lead of the customer which was then showcased to the board of managing directors. A sequence of dashboards was introduced and developed to drive the best visualization of the Business forecasting, modelling, design and intelligence reporting.
- Creating test data based on fact and dimension table schema, a *star schema*; though it's often extended into a *snowflake schema* by adding additional tables representing dimensional hierarchies.
- Received remarkable feedback from the customer and was nominated to awarded Gold award for successful delivery and contribution across various teams namely web, tooling, mobile apps, support tooling, finance and BI on phase 1, 2 and 3.

Project: DWP UK - Scanning and Digital Storage (SaDS)

Role: OAT Test Manager (Jun 13 – Oct 13)

Tools: SOA, Message Queue, Mainframes, XML, XML_Spy, Seibel.

The aim of the SaDS project is to provide a consistent and re-useable front-end scanning capability across the business, replacing paper-based document management processes with access to scanned imaging, digital storage, and automated work flow and information management. The Project combined with two pilot releases on SaDS (HP), Event Service (IBM) along with current release of Camlite (Accenture) in parallel, short time constrained and managed to deliver successfully.

- Managed stakeholders at various levels across teams for OAC's review, clarifications, approvals & sign offs, defect management and issue resolution.
- Create test strategy and high-level test scenarios Produced list of OAC's under various phases of execution and updates to Test Completion Reports.
- Prepared Test schedule and daily test activities in regards to various OAT test activities IOAT, ROAT, DOAT and EOAT.
- Conducted Test Readiness Review meetings & Managed test data for the entire release and managed daily test execution reports.
- Liaising with technical staff (DBA, Networking/Environment and BA) to ensure availability of all testing facilities for system test and UAT

Achievements:

- Taken initiative to integrate SOA automation test on web service transactions and events in third party API services which removed the 30% of manual effort, efficiently test performed with 100% customer satisfaction.
- Organised and developed the "End to End Integration Customer Journey" which helps to identify missing requirements during the integration testing. This document is now used in 3rd Party Functional, UAT testing and for use case analysis.
- This project was a simultaneous release of 4 different streams, time critical project and with three different third-party vendors and a panel of stakeholders, I successfully delivered the project in given timeframe using expertise in various tooling across level 2/3/4 support channels.

Project: DWP UK - LegaSuite Programme (CTE, CTU, BLAC, BES-Online, OCAB, ATAS) DWP UK

Role: Technical Business Analyst & Test Data Manager (May 08 – Jun 13)

Skills Set: LegaSuite, VME ICL Mainframes, QTP, Batch Processing, DB2, CRM Dynamics, ETL, SAS Enterprise Studio, WCC, Mainframes, SAS Admin, HP UFT (Keyword Driven, Mainframes, AMS (production support)).

Mainly Legacy Modernization Projects involving LegaSuite Transformation Methodology (LTM) involving series of phases (Agile methodology), specifically Customer Transition Enquiry & Update (CTE & CTU) across various ICL mainframe systems, technically it insulates a Rich Client GUI panel against data held in legacy VME Systems and provides data from the Notifications Online System. The Audit Trail Analysis Service (ATAS) provides business transaction audit trail analysis for the majority of IS/IT systems with single sign-on access to limited audience on rich thick client. Data migration from Audit trails file systems to SaaS platform with ETL processes.

- Made significant contributions in writing testing documentation, test strategy, test plan, test data management, test completion and lessons learnt.
- Provided VME Mainframes test support for 7 benefit systems, including environment preparation, test data management and service maintenance.
- Test data preparation using business case and complex Batch processing and manual updates to data fields using batchmans.
- Elaborating the high-level test conditions into granular test scenarios and contributes towards the formulation of Test Specifications.
- Raising relevant information for commissioning service requests and service upgrades and test service incidents management using Diris.
- Conducted daily defect management meetings and prepared incident analysis reports for project team and key stakeholders.
- POC for pre-production testing activities as part of Go-Live activities and support for AMS teams. UAT Test Manager and Onsite-offshore co-ordination and Delivery.

Achievements:

- Led multiple roles in test function and delivery with total of 5+ years in DWP, started as java engineer and lead several projects across various roles. Worked closely with BAs, Technical Leads and developers in use case analysis, task discussion, testing and documentation for application developed in legaSuite mainframes (ICL suite). Self-initiative in exceptional test data analysis skills across various services and adopting technical expertise in multiple cross functional services has led to managing complete testing tasks in regards to test environment, batch processing, backend data seeding, both manual and automation processes, release handling, service troubleshooting and maintenance and test deliverables on large Customer transitions programme.
- Services commissioning to Go-to-Live on various services were managed and orchestrated across multiple co-related teams including third party services and key deliverables and projections are address and managed with test program manager and stakeholders. Collaborated with the team and business and technical stakeholders / Product Owner to build and refine the product backlog, including acceptance criteria & effort estimation, plan iterations.
- Setup test automation framework using HP QTP platform using java programming language. There was a high magnitude of audit events which were now migrating to SAS platform suite. The Audit events data are to be sourced directly from production on going live.
- Took initiative to develop the "ALM / QC Made Easy" Excel macro tool - uploaded the Test Run date, Test Execution Status. The test coverage was added from Excel, without logging into QC and it was done by a click of a button. This tool drastically cut down testers' time to run the test / mapping requirements vs. test within QC. This tool is now used throughout the organisation.
- Initiated the development of the "Requirement Traceability Matrix" Excel macro tool which allowed different departments & projects to work more effectively, significantly cutting down operations cost and time.

EDUCATION/NOTABLE HIGHLIGHTS

- Bachelor of Engineering in Computer Science, Visvesvaraya Technological University, India.
- Drove client co-ordination for UAT, OAT and production support, ensuring a seamless operational process.
- Worked as an SME on ICL Mainframe systems namely JSA/ESA/IS/IB/DLA/AA/CA. Supporting a majority of for development and testing teams, including responsibilities of test environment and service continuity.
- Nominated for SQS Going4Gold Award for effective contributions and successful delivery on Morrisons Food Online Project.
- Experienced Trainer on automation framework using open source tools with Java across regional center.