

Summary:

Mani is a Senior Automation Testing Professional with extensive experience and exceptional knowledge in utilizing **UFT** and the **UFT** Object Model for automated testing. He has demonstrated a strong understanding of browser DOM/POM and expertise in Windows application automation, particularly with **SAP** GUI. He is very proficient in leveraging tools like JIRA, Confluence, and ALM for effective project management and collaboration and familiar with a wide range of software automation tools and testing methodologies, committed to ensuring quality and efficiency in software development processes. He has extensive experience working with **state clients** such as **CalSTRS, Department of Conservation, CalPERS** and more.

Key Highlights:

- Over 18 years of experience in software development and testing, with specializing in Software Quality Assurance Testing, proficient in testing on Client/Server and Web based applications.
- Over 10 Years of QA Testing experience in Health Care and Pension system in State of California projects; Salesforce, PeopleSoft, and Siebel Testing.
- Hands on Experience in the development of Data driven, Keyword driven and Hybrid automation frameworks (**UFT**), and Tricentis **TOSCA** for Module scanning, and test case design.
- Expertise in design and implementation of Automation Test Frameworks using tools like HP QTP, HP **UFT**, **HP ALM**.
- Expertise in QA Methodologies, Test Strategies, Test Metrics in Manual, Automation Testing.
- Extensive working experience on all phases of Software Development Life Cycle (SDLC) and Software Test Lifecycles (STLC), its methodologies such as **Agile**, **SCRUM** and **Waterfall** Model.
- Professional expertise in Smoke Testing, Black-Box Testing, User Acceptance Testing (UAT), Functional Testing, System Testing, Exploratory, Postproduction validation, Regression Testing, GUI Software Testing, Web services, Boundary Value Testing.
- Extensive experience in reviewing and analyzing Business Requirements and creating Test Plans, Test Cases, Test Scripts, Test Estimation & Requirement Traceability Matrix (RTM).
- Experienced in Non-functional testing like Role based security testing.
- Good working experience on SOAP UI for testing and validating various web services used in the application.
- Trained in various test approaches including risk-based, model-based & dynamic testing
- Good knowledge in working with version control systems like GIT and used Source code management client tools like GitHub.
- Extensive experience with many of the leading tools for **Agile** planning such **HP ALM**, JIRA, qTest, MTM-TFS, Test Grid.

- Experienced in a large spectrum of industries including Health Care, Pension, Retirement system, Gas, Mortgage, Telecom.

EDUCATION/TRAINING/CERTIFICATION

Education:

- Master of Computer Applications (MCA), Manonmaniam Sundaranar University, Tamil Nadu, India 2003
- Master of Business Administration, Bharathiar University, TamilNadu, India 2009
- Bachelor of Science, Bharathiar University, Tamil Nadu, India 1997

Certifications:

- ITIL V3 Foundation
- Sun SCJP – Java Programmer
- ISTQB

TECHNICAL ENVIRONMENT

Testing & Defect Tracking Tools:	QC, ALM, Mercury TestDirector, Jira, Bugzilla, JAMA, VersionOne TOAD, TestDirector, QTP, CitiCMT/Actimize,. LoadRunner, Selenium WedDriver, TestNG,
Programming Languages:	VB, .NET, SQL, PL/SQL, HTML
RDBMS:	Oracle, MS Access, SQL Serve
Operating Systems:	Windows, UNIX, Linux,
MS Office:	MS Word, MS Excel, PowerPoint, SharePoint

MAJOR ASSIGNMENTS

Client: [State of California, CA](#)

Mar 2019 – Present

Role: [Test Lead/Cyber Security](#)

Responsibilities:

- Developed various business functions and generic functions in Robot framework to reduce redundant scripting for Automation.
- As a Senior Software QA Tester with full system development lifecycle experience, including developing, and implementing test plans, test cases, and execute in system testing environment.
- As a Test Lead/Coordinator with full system development lifecycle experience, made decisions for the quality assurance of the project / application and update to client management team for the weekly status report.

- Implemented advanced **UFT** automation techniques, utilizing POM to streamline the creation of reusable test components.
- Maintained the Architecture/Framework Keyword Driven using **HP UFT** and **HP ALM**.
- Involved in Authoring QA documents, including test plans, test strategy, test cases development, and test execution.
- Developed, Reviewed, and executed Test Cases from Business Requirements and Use Cases in JAMA.
- Implemented data-driven and keyword-driven testing methodologies in **UFT**, using the **UFT Object Model** for dynamic test execution.
- Involved in BI Reports testing for the operational reports in System Testing environment
- Worked in JIRA with my team to manage our team backlog and plan increments and sprints.
- Collaborated with developers to align **UFT** test scripts with application changes, ensuring seamless DOM interaction.
- Worked closely with the technical team and vendors to have the correct interface data files uploaded to the correct location to support testing activities.
- Developed comprehensive automation frameworks using **UFT** for testing **SAP GUI** applications, ensuring robust and reusable test scripts.
- Worked closely with the vendors and the technical team to get the environment ready for Interface Testing.
- Coordinated to review Test results and log defect defects in ALM.
- Worked closely with BA for Functional and technical documents analysis, defect analysis and CR scope.
- Managed cross-browser and cross-platform testing initiatives using **Selenium**, ensuring seamless user experiences across various environments.
- Performed Test effort estimation for various activities.
- Maintained test documents, project documents, and operations in Confluence repository.
- Responsible in Test Case Peer Review to ensure test cases are appropriately translated, test steps are detailed with coverage and mapped to the requirements.
- Involved in application analysis, test strategy development, test case creation, test script development, test execution, defect tracking and reporting.
- Developed test cases, provided support and guidance to users performing the tests, and worked as a bridge between users and development teams on defects and usability issues.
- Responsible for leading a team of test engineers in the development, implementation, and execution of software testing and quality assurance processes.
- Responsible for developing test strategy documents, worked with internal customers, and software development teams to define requirements, created test plans, execute the test plans and track and manage defects.
- Reviewed all test completion reports and approve the General Availability of all releases.
- Played as Technical Lead/Coordinator for the System Testing Team and was responsible for conducting a highly successful User Acceptance Test.

- Performed Regression Testing, End to End Testing, and Interface Testing to make sure existing functionalities are not broken due to new enhancements.
- Run SQL queries to validate data integration part of database testing.
- Managed Requirements in JAMA (RTM) for requirement mapping to cover test cases coverage

Environment: JAMA Test Management Tool, UFT, JIRA, Oracle DB, HP ALM, Confluence, NeoSpin, Mainframe, DBS, ESS

Client: [State of California, CA](#)

Jan 2018 – Feb 2019

Role: [QA Consultant](#)

Responsibilities:

- Developed, and implemented test plans, test cases, and execute in system testing environment.
- Involved in Authoring QA documents, including test plans, test strategy, test cases development, and test execution.
- Analyzed test specifications and converted them into Manual test cases.
- Run SQL queries to validate data integration part of database testing.
- Involved in Test Case Peer Review to ensure test cases are appropriately translated and mapped to the requirements in UAT.
- Validated SSRS Reports per requirement and create defects for correcting the issues.
- Executed Manual (TFS) and automated test scripts in System Test environment.
- Transferred all the test scripts, libraries into GitHub every month as part of backup plan.
- Used Test Team Foundation Server (TFS) to document functional and non-functional requirements, design specifications, test cases and defects, and provide full traceability for projects.
- Performed Regression Testing, End to End Testing, and Interface Testing to make sure existing functionalities are not broken due to new enhancements.
- Run SQL queries to validate data integration part of database testing.
- Produced business analysis and testing deliverables such as:
 - Business requirements and business rules
 - Functional requirements and/or functional specifications
 - Non-functional requirements
 - Stakeholder requests
 - Test strategies
 - Test plans
 - Test cases
 - Transition plans
 - Traceability matrices

- Involved in Test Case Peer Review to ensure test cases are appropriately translated and mapped to the requirements.

Environment: JIRA, Confluence, MTM-TFS, SQL Server, SOAP UI, UFT, Putty, SSRS, GitHub

Client: [State of California, CA](#)

Oct 2016 – Dec 2017

Role: [QA Consultant](#)

Responsibilities:

- Involved in Development and Maintenance of test automation framework using VBScript
- Involved and represented in Sprint Planning, Sprint Retrospective, Sprint Review, Backlog grooming, daily Scrum meetings and provide status update
- Developed various business functions and generic functions in VBScript to reduce redundant scripting
- Involved in user acceptance testing support to ensure the highest quality product was released to production
- Analyzed test specifications and converted them into Manual test cases
- Run SQL queries to validate data integration part of database testing
- Involved in Test Case Peer Review to ensure test cases are appropriately translated and mapped to the requirements in UAT
- Managed Requirements in ALM (RTM) for requirement mapping to cover test cases coverage
- Responsible for PeopleSoft Validation (by triggering batch jobs, online transaction) for the financial transactions between MyCalPERs and Financial system for the payroll posting, and Receivables creation.

Environment: ALM, JIRA, Oracle DB, UFT, GitHub, SQL, UAT

Client: [State of Maine, Augusta, ME](#)

Mar 2016 – Sep 2016

Role: [Test Lead/Principal Consultant](#)

Responsibilities:

- Developed Test conditions and Test cases upon reviewing Business Requirements in JIRA Environment
- Executed test cases to submit for Eligibility for the programs like Maine Care, Child Care, FS, TANF and Med Needy in ACES Application
- Produced business analysis and testing deliverables such as:
 - Business requirements and business rules
 - Functional requirements and/or functional specifications
 - Non-functional requirements

- Test strategies
- Test plans
- Test cases
- Traceability matrices.
- Involved in Logging defects in JIRA and retest after defect moved to Test ownership.
- Worked on Data preload (Production version) validation between ACES data base and Siebel System for the new enhancements.
- Developed and executed regression test cases in **UFT** environment part of Automated regression testing.
- Performed Automated build validation for the end-to-end scenarios prior to upgrade into System Testing environment.
- Submitted for household eligibility via SOAPUI (in the form of XML) from federally facilitated marketplace and MMC system and validate in database and Siebel for the correctness of data.
- Developed and executed test cases in **Agile** environment for Siebel Phase 2 enhancements.

Environment: JIRA, UFT, ALM 11.0, Confluence, SOAP UI, Oracle DB

Client: [State of California, CA](#)

Role: [Test Lead](#)

Nov 2012 – Mar 2016

Responsibilities:

- Responsible for directing a team of 12 resources (Offshore and onshore with accountability for the testing of government-interfaced web applications, the optimization and automation of QA processes, and the transition of QA to **Agile** software practices.
- As a Test Lead with full system development lifecycle experience, including designing, developing, and implementing test plans, test cases and test processes fueling swift corrective actions.
- Managed ALM Requirements and Defect Management tool for test execution, Requirements Mapping, and Defect Management
- Developed, Reviewed, and executed Test Cases from Business Requirements and Use Cases in **HP ALM**.
- Used Test Application Lifecycle Management tools such as **HP ALM** to document functional and non-functional requirements, design specifications, test cases and defects, and provide full traceability for projects
- Developed test cases, provided support and guidance to users performing the tests, and worked as a bridge between users and development teams on defects and usability issues.

- Coordinated with environment support team for the data refresh from higher environments (Production data after data masking) to lower environments (System testing environments) every 3 months or whenever data refresh required
- Coordinated for Build Validation after data refresh is completed and making sure basic functionalities working fine without any errors
- Run test scripts for the individual's eligibility for Medi-Cal (MEGI, Non-MEGI), QHP and APTC
- Worked with SAWS, LRS team to validate Non MAGI Medi-Cal cases initiated from SAWS and interact with MEDS for application processes for the integration testing.
- Initiated Eligibility through CALHEERS Portal and validate SCI Mock for the matching input values.
- Validated 834 carrier transaction between CALHEERS system and external carriers.
- To Support UAT team for the data setup and test cases execution.
- Coordinated with UAT team and System Testing team for the environments sharing (Notices and IRS testing shared same environment by both ST and UAT team).

Environment: QTP, ALM 11.0, SOAP UI, Oracle DB, Autosys, Putty, Integrated Eligibility System

Client: [FannieMae, Washington DC](#)

Mar 2011 - Oct 2012

Role: [Test Lead](#)

Responsibilities:

- Develop, Review, and execution of Test Cases from Business Requirements and Use Cases in **HP ALM**
- Using Test Application Lifecycle Management tools such as **HP ALM** to document functional and non-functional requirements, design specifications, test cases and defects, and provide full traceability for projects
- Leading and working within cross-functional teams that include business subject matter experts, application architects, developers, and testers
- Experience preparing test plans, test cases and document test results
- Conduct Defect triage meetings to triage the day to day defects from various testing activities
- To support the UAT, take lead in effectively managing the integration testing activities with participant integration
- Execute automated regression test scripts to test previously existing features of the applications in QTP environment
- Perform L2 Production Support and escalate to developers for the critical issues
- Resolve issues within SLA timeline and keep environment up all the time
- Coordinate with development team for defect fixes and participate in defect triage meetings

- Validate trade message service using TIBCO JMS for the STAMPS Trade Entry system; validate data integration between upstream and downstream systems as part of integration/interface testing

Environment: ALM, QTP, Oracle DB, Java, Java Script, Clear Case, WebLogic Server, PUTTY

Client: AT&T, Bangalore, India

Sept 2009 – Feb 2011

Role: Senior Software Engineer

Responsibilities:

- Responsible for resolving the Issues come from Production and QA Testing
- Validate billing for the Leasing site and customer information in BI reports
- Generate reports and validate each field in BI Reports
- Write test cases for each billing generation for lease site and customer information
- Involved in code optimizations and refactoring
- Participate in application analysis, test case creation, test script development, test execution, defect tracking and reporting (Customer billing and lease site)
- Involved in L3 Production Support
- Run Manual Build Validation for the high level critical scenarios and publish results to stake holders

Environment: HP Quality Center, Oracle DB, PUTTY, Windows

Client: Nortel Networks, Bangalore, India

May 2005 – Aug 2009

Role: Application Developer/Tester

Responsibilities:

- Production support & Development
- Involved in High-Level, Low-Level Design phase development
- Interacted with customer in North America and British Telecom (BT) in UK for day to day activities and updates as part of Onsite coordinator role in Belleville, ON – Canada
- Owned and contributed in Documentation for first draft version of development activities.
- Involved in analyzing defects and finding appropriate fixes in the maintenance release
- Interacted with Customer for new Features like GUI introduction to all phones with optimized images for approval.
- Involved in different phases for development and releases concurrently for customer patches
- Involved in server-side development with Servlets and Developed GUI based forms Understanding client's requirements and working on enhancements

- Significant Contribution to the Development of product, Active participation in Development, Improvement / Enhancement

Environment: HP Quality Center, Java, JSP, Servlets, Posgres DB, Unix, Clear Case, Apache Tomcat, Scrum

ACCOMPLISHMENTS

Following paper(s) published

- Novel Multiple Access Protocols Against Q-Learning-Based Tunnel Monitoring Using Flying Ad Hoc Networks
- Identification and classification of phishing emails based on Machine learning techniques to improvise Cybersecurity
- Predictive Cyber Attack Detection in Cloud Environments with Machine Learning from the CICIDS 2018 Dataset