**Mani D**

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**SUMMARY**

Over 8 years of extensive experience in Analyzing, Designing and Implementation of QA Testing strategy for Web based, Web Services Testing, Client/Server application Testing using Manual testing and Automation testing on Windows, UNIX platforms. Follows strategic approach for designing and Architecting IT solutions, got the ability to troubleshoot and execute things with hands-on skills and continuous learning.

* Experience in analysis, design, implementation and testing of object Oriented Applications in client/server environment using Java-J2EE Technologies.
* Experience in working in Agile Development Methodology and participated heavily in Scrum meetings and Sprint planning meetings.
* Experience in Digital banking system
* Experience in Mortgage Origination and Servicing Platform – Loan Originating, On Boarding and Servicing.
* Strong Core Java & Ruby programming skills.
* Hands on Knowledge and good understanding of NoSQL and Database automation experience with MongoDB.
* Experience in managing life cycle of MongoDB including sizing, automation, monitoring and tuning.
* Experience in Testing of Payments applications, Customer communications and Channel enhancements.
* Experience developing web applications using Java, XML, springs, Web Services, Struts 2.0.
* Experience in preparing Test plan documents to suit agile timelines.
* Experience in integrating databases like MongoDB, MySQL with webpages like HTML, PHP and CSS to update, insert, delete and retrieve data with simple ad-hoc queries.
* Good knowledge of the latest version of object-oriented java script Libraries like Angular.js.
* Strong in API testing using tools like Soap UI Pro, Xcui, Espresso tool, Advanced REST client etc.
* Experience on Groovy Scripts for Web Services API Testing.
* Experience in working with open source tools Selenium (IDE/WebDriver/GRID), HP Quality Center, J unit, Test NG, Eclipse, Espresso tool and preparation of automation test framework.
* Experience working in developing BDD scripts with Cucumber and writing step definitions for behavior.
* Report bugs using JIRA, assure reports are easily reproducible and contains information needed to asses them.
* Well Experienced in writing VB Scripts in QTP and Java and Python in Selenium.
* Experience in Automation testing with Selenium and UFT software, Manual testing, User Acceptance testing, System Testing, Integration Testing, Performance Testing, Mobile Testing, Database Testing, Regression Testing and Cross Browser testing of Web applications and Web Products.
* Experience with building Gherkin user scenarios and ruby scripting for automated testing (Selenium/Ruby/Cucumber).
* Using Kotlin for implementing new modules in the application.
* Experience in writing Acceptance criteria in Gherkin, Feature Files and Step definition using Ruby.
* Experience in black box, gray box and automation testing using Selenium, Testing/Junit on web and client applications.
* Rational functional tester using Java.
* Implement Jetpack Compose such as compoable functions, setting the content to the screen, and updating content
* Skilled in performing load, stress and performance testing using Apache JMeter.
* Actively involved in STLC process and used tools like Selenium RC/Web driver, JMeter, SOAP UI.
* Involved in developing he automation script for Mobile Native applications (IOS, Android) using Appium, Java.
* Integrated Appium with Sauce Labs for distributing tests on the cloud.
* Experience in protractor, QTP Automation, load and performance testing tool JMeter, Load Runner and mobile automation testing tool Appium.
* Created automated scripts - Load Runner Web Services, Soap UI, and XML.
* Developed and executed Non-functional testing such as performance, load, stress, stability, and security testing using Load Runner.
* Developed Restful web services with Spring Boot to provide the required information to display on the UI

**TECHNICAL SKILLS**

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| --- | --- |
| **Web Technologies:** | Java (1.7), J2EE, Servlets, JSP, XML, Web Services, Spring Framework. |
| **Testing Skills** | Manual, Automation |
| **Automation Tools** | Selenium IDE, Selenium Web Driver, Quick Test Pro (QTP),  HP Quality Centre, Ruby Mine |
| **Bug Tracking Tools** | Jira, QC, Bug Zilla |
| **Scripting Language** | Java Script, CSS, JQuery 1.9.1 & JQuery UI 1.10 |
| **Web Service Tool** | Soap UI |
| **Java Framework** | Test ng, Junit |
| **Configuration Controllers:** | Apache SVN, GIT. |
| **CI/CD Tools:** | Azure DevOps, VSTS, Jenkins, Bamboo. |
| **Automation container:** | Docker, Kubernetes, EKS, LAMBDA |
| **Build Tools:** | MAVEN, ANT |
| **Version Control Tools:** | GIT, SVN, Team Foundation Server (TFS), Bit bucket |
| **Operating Systems:** | RHEL, Sun Solaris, CentOS, Windows, Ubuntu |
| **Database Servers:** | SQL Server, MS Access, Oracle, DB2, MongoDB. |
| **Web/Application Servers:** | WebLogic, JBoss, Apache Tomcat, Cloud PaaS. |

**TECHNICAL WORK EXPERIENCE**

**Skiontek January 2020 – Present**

**Systems Analyst**

* Interacted with Business Analysts and Developers to understand the application architecture and recommend testing strategies.
* Used Selenium WebDriver using Testing and Eclipse for automation in a Hybrid model.
* Experience building automation framework from scratch using Selenium web driver, Nightwatch.js, IntelliJ IDEA, and chai mocha framework.
* Used Java language for scripting. Used Maven for building the WebDriver project. Integrated with Continuous Integration tools Jenkins for running tests on a nightly basis automatically.
* Followed Agile-testing methodology, participated in daily SCRUM meetings, and tested each SPRINT deliverables.
* Implemented a simulator for Mobile App Testing in the Android Platform using Appium.
* Developed and maintained Python-based applications for clients in various industries.
* Developed Test cases for manual testing.
* Hands-on in using Kotlin, Retrofit, RESTful API’s, Braze, Firebase A/B tests, Android Wear and Android TV.
* Collaborated with a team of developers to design and implement software solutions using Python.
* Assisted in the troubleshooting and resolution of issues related to Python applications.
* Led the development of a new Python module that improved data processing efficiency by 30%.
* Mentored junior developers and provided guidance on best practices for Python development.
* Familiarity with iOS and MacOS internals.
* Use Assistive Technologies, such as screen reader software (NDA, JAWS, Voice Over), and Accessibility test tools.
* Used Android SDK and set up a mobile device emulator to test the application and to get log files.
* Extensive experience in XCUI Test framework for end-to-end testing of iOS applications.
* Designed and implemented UI test cases to validate app UI elements, navigation flows, and user interactions.
* Created robust UI automation scripts to perform regression testing, ensure app compatibility across various iOS devices, and screen sizes.
* Built app using Kotlin programming language, MVVM architecture, and teh latest UI technology - Jetpack Compose.
* Worked on database testing especially with mongo DB.
* Utilized XCUI Test's features such as element querying, expectations, and predicates to enhance test reliability and maintainability.
* Experience in data retrieval methods using Universes, Personal Data files, Stored Procedures, and free hand SQL. Automated and scheduled the Informatica jobs using UNIX Shell Scripting.
* Responsible for installation and automating functional test cases using Test Cafe node.js using TypeScript.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Strong working experience in writing PL/SQL queries to extract data from oracle database and NOSQL queries from Mongo Data Base.
* If issues were identified with any project, bugs were entered in the project bug reporting system and a decision was made to determine whether the project should proceed to production deployment.
* Highly skilled result oriented professional with 5 years of IT experience in the areas of Quality Assurance (Automation & Manual testing) in Banking, Financial services and Shipping based industry .
* Implemented Jetpack Compose to create small reusable composables to describe UI by calling a series of functions that transform data into a UI hierarchy and define data flow principles in Compose.
* Optimized HP Unified Functional Testing (UFT) scripts for Regression testing of the application with various data sources and data types.
* Developing the android application using programming languages like Java and Kotlin wif MVVM Architecture using Jetpack Components and Architecture Components (Data Binding, Lifecycles, Live Data, Navigation, Room, View Model).
* Designed the Test Strategy for multiple projects and defect Management using QC/ALM.
* Managing the development of Generic Functions in VB Script using Descriptive programming for the Quality Center (QC)
* Execution of manual API Testing using Postman.
* Being Responsible for implementing Load Runner and performance center.
* JMeter-based infrastructure including Architecting the load testing.
* Performed functional testing using See Test automation tools for Android and IOS platforms.
* Involved in validating request and response XML. Added assertions to validate the XML in Web services SOAP and Restful services.
* Explaining UAT scope, criteria, and entry/exit strategy to junior engineers.
* Researching IT requirements and business requirements in UAT areas.
* Used SOAP/REST services using SOAP UI, and Groovy Script to test the services.
* Configuring fluent, Gray log to Kubernetes.
* Experience in Manual testing of Web based Applications and Services.
* Prepared Traceability Matrix to ensure adequate coverage of the test cases.
* Worked on the portal .Net 2008 web application Asp.net, c, Web services, SQL Server for issue analysis, fixing, and deployment.
* Proficient in using test automation tools such as Selenium WebDriver/RC/IDE/Grid, QTP, HP Quality Center/ALM,
* Performed Coded UI automation testing for the application using Microsoft Test Manager.
* Customization and running of Chaos Monkey to do reliability tests on DEV and QA environments.
* Created test scripts for web services using SOAP UI and worked with XPATH, and Cypress.
* Developed BDD tests using Cucumber by writing behavior and step definitions & and developed required Selenium support code in JAVA for Cucumber.
* Developed Restful web services with Spring Boot to provide the required information to display on the UI.
* Develop a cucumber BDD API automation framework with Java using data-driven and behavior-driven page object model design pattern (POM) from scratch.
* Designed, developed, executed complex automated software test plans, test scripts, and test scenarios, and analyzed performance tests using JMeter, Load Runner, Citrix, and Jenkins. SOA and Blaze Meter.
* Used JIRA/RALLY as a defect-tracking tool for raising issues and interacting with developers and users about the errors in the application.
* Integrated FCM/Firebase push notifications in Android Native code using Kotlin simulations through Braze and backend services.
* Used C# as a programming language and Visual Studios as IDE for automating the Test Suite with Selenium WebDriver.
* Involved in using the Quality Center for managing the defect. Performed manual Back-End testing by writing SQL Queries for validating user information in the tables.
* Implemented a nine-page onboarding screen using Jetpack Compose.
* Performed API-level testing for web services, enhanced the Test harness and developed many Test suites using XML and Python.
* Designed and developed Hybrid Framework using. Net, C# and Unit.
* Developed framework from scratch for using Cypress to automate UI and used Javascript, NodeJS and NPM for Angular-based user interface.
* Involved in writing SQL queries for Backend as well as ETL testing.
* Validated soap response using various Assertions such as XPath, Contains, SOAP Fault, Schema Compliance, etc.
* Used Git for Version Control and Code Collaboration to manage code reviews.
* Used T-SQL scripts in Oracle database to validate functionality.
* Created, Configured and Managed Oracle OSB (Oracle Service Bus) Services.
* Consulted on Airbrake handling and designed and built a custom server implementation using Rack and Purple(Ruby)
* Generated test scripts that have information such as screen capture, actual results etc.
* Updated Test Plans and Test Cases periodically to manage changes in requirements.
* Participated in QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application.

**Environment:** Java, Selenium WebDriver, Kotlin, Testing, MongoDB, Cypress, Ruby Mine, SOAPUI, Cucumber, BDD, Maven, XPATH, Eclipse, Jenkins, Fire path, Angular JS, Spring Boot, Firebug, Python, See Test, Chaos Monkey, SOA, HTML, XML, Perfecto, agile, JIRA/RALLY, Coded UI, Test Manager, X-ray, TestRail, Mobile Testing, Shell Scripting**,** T-SQL, Oracle and Windows.

**Amensys October 2016 – December 2018**

**IT Specialist - Automation Developer**

* Experienced in Automation testing using QTP/UFT. Performed daily smoke tests via QTP and generated reports for management and testing teams.
* Used checkpoints to check the functionality in QTP/UFT. Created and executed automated scripts in QTP.
* Analyzed chaos test results to uncover vulnerabilities and improve system reliability and fault tolerance.
* Integrated Java-based testing frameworks with CI/CD tools such as Jenkins, enabling automated build and deployment processes and ensuring timely and reliable execution of test suites.
* Utilized Java debugging tools and techniques to analyze and resolve test failures, collaborating with development teams to identify root causes and implement corrective actions, thereby improving overall test stability and reliability.
* Implemented production testing best practices to ensure the stability and quality of applications in production environment.
* Identify, document, and track defects in NLP models and applications using tools like Jira or Bugzilla, and ensure timely resolution.
* Conduct performance testing of NLP models to assess their speed, scalability, and resource utilization under various conditions.
* Test NLP applications for user experience and usability, ensuring they meet the end-users' needs and provide a seamless interaction.
* Verify that NLP models and applications integrate seamlessly with other systems and applications, ensuring data consistency and process integrity.
* Experience in setting up alerts and dashboards in Dynatrace and App Dynamics to proactively identify and resolve performance issues.
* Responsible for all types of standard Salesforce development, customization and testing.
* Lead a team in offshore and responsible for transforming all the business requirements into technical requirements.
* As a lead developer helped technical architect to design solutions and write the user stories accordingly.
* Involved in Salesforce.com Application Setup activities and customized the apps to match the functional needs of the organization.
* Extensively worked on Sales, service, and community clouds in various levels of the project.
* Worked alongside Salesforce Administrators and other business analysts in the Digital and BI teams.
* Involved in creating customer communities and setup of the communities.
* Created lightning components and placed them on community page.
* Played an important role in choosing the community licenses and wrote the code for auto assignment of licenses to the end user after user signup.
* Successfully implemented performance tuning strategies based on recommendations from Neoload, Dynatrace, and App Dynamics.
* Performed Regression testing by executing the scripts developed with QTP/UFT.
* Involved in developing and executing automated test scripts to support testing requirements using QTP/UFT.
* Performed testing on Veeva and AEM platforms.
* Created QTP scripts with reusable and external Actions and, called functions in Actions.
* Analyzed the functionality and designed test cases for both functional and regression testing and editing of automated script by inserting logical commands to handle complicated test scenarios.
* Involved in writing SQL Queries for backend/ETL testing.
* Performed ETL testing of PL/SQL and Rabbit MQ jobs, Prepared mapping documents source and target columns.
* Performed configuration testing using MONGO DB and IBM Websphere MQ.
* Used Test Director to store all testing results, metrics, implemented test plan document, created test cases, defect tracking and reporting.
* Performed functional, integration, black-box, regression, and user acceptance tests.
* Enhance test frameworks and develop automated tests using Selenium Web Driver to ensure consistency.
* Developed test suite for all the Web service operations in the SOAP UI test tool.
* Converted manual Test Cases into automated scripts with Selenium WebDriver
* Involved in preparation of test cases and test scripts for both manual and automation tests.
* Used TFS for life cycle management such as user stories, bug management and team communication. Also, used Team Foundation server (TFS) source control to deploy application.
* Responsible for back-end API testing with SOAP UI and coding in groovy and Java.
* Involved in testing SOAP (XML) and REST API (JSON)/ using SOAP UI
* Created tests with Assertions like Schema Compliance, SOAP, XPath assertions using SOAP UI.
* Involved in testing Web services and XML with tool called SOAP UI. Used this tool to locate WSDL file on internet, create Test cases, run them, do load testing, security testing.
* Validated Web Service modules using Soap UI tool (Preparing Web Service request and added authentication information in Soap Header). Used SOAPUI tool to test web services for Order History, Shopping cart, Account Creation and Shipment Tracking web services.
* Involved in the Continuous Integration of the automation framework with Jenkins.
* Experience in using Google Espresso framework for Android and iOS mobile application.
* Involved in Agile Scrum meeting and testing of the system.
* Writing test plans and executing test cases in ALM Octane, JIRA and HP ALM (Quality Centre)
* Set up CI/CD pipelines for Microservices on Azure DevOps using App services and deployed to Azure cloud using App services.
* Used Protractor for End to end Automation testing for Angular JS applications and writing Javascript.
* Developed test cases for ETL process and reporting. Used SQL for Querying the database in UNI environment.
* Used emulators and IOS simulators to perform the manual Mobile Testing. Used Appium, X code for Native Mobile Application automation testing for iOS and Android platform, on real devices.
* Performed testing on Web based and Mobile based applications using tools like Selenium WebDriver, Appium, and Perfecto Cloud.
* Performed code migration to Azure DevOps Git.
* Firebase CLI, REST API, Node.js, JavaScript and python scripting to access production Firebase Database, cloud API, compute engine, Confidential Cloud TPUs, Kubernetes and docker.
* Development of Gherkin Test in ALM Octane for implementation of BDD (Behavioural Driven Development) in L.A Care.
* Performed automation using Spring Cloud contract for integrating automation scripts with development code base, which can be used for Unit Testing and Integration Testing.
* Used Maven for building the Rest-Assured project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.
* Extensively used Selenium IDE to record, playback and debug indiviual test cases, using Selenium WebDriver provided more flexibility in automating test cases.
* Created various test framework using Node Js, WebDriverIO, mocha-chai and Spectron.
* Manage builds and releases for Confidential Symphony Cloud and for vMS Hybrid Cloud solutions for Platform-as-a-service with OpenStack, Docker, Kafka, Microsoft Azure, and Cloud Foundry, AWS.
* Executed BDD (Behavior Driven Development), ATDD (Acceptance Test Driven Development) using Cucumber Features, Scenarios and Step Definitions.
* Used automated scripts and performed functionality testing during the various phases of the application development using Selenium IDE.
* Support Application migration from Mod Perl-based Linux application to Windows-based .NET application, Java, JavaScript / Angular, Cypress, Apache
* Responsible for creating test scenarios for user stories and creating automation test suites using Python, Selenium Web driver, and Pytest framework.
* Experience in testing Manhattan WMS 2016 for inbound and inventory management functionalities.
* Create/Maintain application build templates and definitions using TFS, C# and PowerShell/Psake and Git.
* Expertise in Appium on real and virtual devices and in Perfecto Mobile, which is a cloud-based mobile testing.
* Proficient in first-level debugging and white-box testing
* Strong Unix fundamentals
* Self-driven and independent worker
* Used Espresso for Mobile app testing in Android and IOS.
* Basic scripting knowledge in Python
* Reusable scripts handle dynamic pages using Selenium WebDriver using Java programming.
* Involved in REST-based web services testing using SOAP UI web services testing tool.
* Used Jira for bug tracking and reporting also followed up with development team to verify bug fixes, and update bug status.
* Proficient in utilizing XC Test framework for automated testing of iOS applications.
* Developed and executed comprehensive test suites to ensure the functionality, reliability, and performance of iOS apps.
* Implemented test cases for unit testing, integration testing, and UI testing using XC Test, contributing to the overall quality of software products.

**Environment**: AGILE, Java programming, Selenium Web Driver/ GRID, MongoDB, Selenium IDE, Protractor, Appium, Perfecto, Cypress, Maven, POSTMAN, TestNG, JSON, HTML, AJAX, HTTP Client, Jetpack Compose, Jenkins, JIRA, Oracle, GIT.

**Saibersys June 2014 – October 2016**

**QA Analyst**

* Designed the test cases and developed test scripts using Java and Selenium.
* Design and Developed automated functional Test suite using Selenium IDE and WebDriver.
* Responsible for creating test scenarios for user stories and creating automation test suites using Python, Selenium Web driver, Pytest framework.
* Experience in working with accessibility tools/technologies such as JAWS, NVDA, Talkback, VoiceOver, WAVE etc.
* Use outbox tool to see the email send to user. (Internal tool to validate the email send to customers).
* Developed Test Plan, Test Cases and executed various test scripts functional testing.
* Used HP ALM software for defect tracking and handling purpose. Used ALM to maintain defect repository and followed the bug life cycle until the bugs are fixed or closed. Provide daily status of defects and log them in HP ALM
* Developed Automation scripts for new enhancements using Selenium WebDriver and Junit.
* Reviewed and updated Requirements Traceability Matrices (RTM) that satisfy all required project’s test conditions.
* Developed ANT Build scripts to run Sanity Test scripts developed in Selenium WebDriver.
* Extensively involved in integrating Selenium with existing API to test framework.
* Used Junit framework for test cases Performed Black Box and Unit testing using Equivalence Partitioning analysis.
* Worked actively with developers in expediting the code as against the specs and performing Unit Testing.
* Tests developed in Eclipse to start, to stop the selenium server, and to execute the tests in browser.
* Used Selenium GRID to execute test cases parallel on different target machines.
* Involved in providing the Testing Effort estimates and provided the timely feedback on progress of the testing activity.
* Used Quality Center as Test Repository for Requirements, Test plans.
* Verify SQL queries against backend database to ensure test codes retrieve the right data on testing.
* Examine the results of test to pinpoint defects in the application.
* Exposure to Manual Testing of applications developed on Windows and UNIX platform.
* Performed rigorous manual testing such Functional Testing, Smoke testing, Integration testing, UAT Testing, Backend Testing, Regression Testing, End to End Testing and System Testing.
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers like Internet Explorer and Mozilla Fire Fox on different Operating Systems (validation).

**Environment:** Eclipse IDE, Cucumber, Java Selenium, Cucumber, JIRA, Sauce LABS, ZEPHYR, Maven, Jenkins, Kibana, TestNG, JUnit, Json

**EDUCATION**

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| **University of Central Missouri** | **January, 2019 – June, 2020** |
| ***Masters in Computer Science*** | **GPA : 3.78/4.00** |

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| **Jawaharlal Nehru Technological University, India** | **September, 2009 – May, 2013** |
| ***Bachelor of Technology - Information Technology*** | **GPA :3.65 / 4.00** |