Deepu Velappan Nair

Mobile: +1630-220-4548 (USA)

Email: [deepu105045@gmail.com](mailto:deepu105045@gmail.com)

**PROFESSIONAL SUMMARY**

An Information technology professional, with **9.7 years of experience** in Software Testing, automation using selenium WebDriver and Protractor using Java and Typescript.

**WEB AUTOMATION**

* Working experience in automating Angular2 application using protractor, typescript and CucumberJS BDD framework.
* Working experience on using protractor perf cucumber for client side performance regression testing.
* Working experience in automating AngularJs application using protractor, JavaScript and Jasmine framework.
* Working experience in automating non-angular web applications using Selenium WebDriver, Selenium Grid, JAVA, TestNG, Maven & Jenkins.
* Developed test to monitor network traffic using selenium web driver and Browser mob proxy.
* Implemented Page Objects, Keyword driven automation framework for highly transactional financial web application using selenium WebDriver.
* Took ownership of automation and led the automation team by mentoring the team as required.

**WEBSERVICE TESTING**

* Expertise in automating RESTful web services using REST Assured 3.0.0 with cucumber Java and Ready API1.6.0
* Experience in automating web services using core Java using Java APIs.
* Implemented Continuous integration of web service testing using Jenkins CI tool.

**JAVA AUTOMATION**

* Automated highly transactional e-commerce backend transactions using Core Java.
* Implemented **Producer/Consumer** batch jobs in Java for Test Automation to validate Mongo DB and DB2 backend data against XML/Services/Text file feeds.

**LOAD TESTING**

* Experience in Load testing using Radview Web Load and Gatling
* Knowledge in using Jmeter.

**DATABASE TESTING**

* Solid Back End Testing experience by writing and executing **SQL** Queries in **DB2** and **Mongo db**.
* Expert in writing queries in **Mongo Shell** for Mongo DB data validation.
* Expertise in using Excel Macros and functions for the Data Comparison and Data Validation.
* Experience in testing XML files and validating the data loaded to Staging, production tables.

**QUALITY ASSURANCE**

* Expertise in preparing Test Strategy, Test Plan, Test Summary Reports, Test Cases and Test Scripts for Automated and manual testing based on the Business Requirement Document and System Requirement documents.
* Experienced in coordinating resources within Onsite-Offshore model
* Knowledge of and ability to apply a wide range of software test engineering concepts: testing principles (Testing Methodology) and concepts, building a test environment, tracking defects in Quality Center and Jira.

**DEVELOPMENT**

* Knowledge in developing application using Angular2/4 , bootstrap/angular material and angularfirebase2.

**CERTIFICATIONS**

* M101j: Mongo Certified Java developer from Mongo DB University <https://s3.amazonaws.com/edu-cert.10gen.com/downloads/32e87a9b534146868d85c6bc8ef8faa5/Certificate.pdf>

**ACADEMIC DETAILS**

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| --- | --- | --- | --- |
| **Qualification Level** | **Institution** | **Year** | **Percentage** |
| MCA | DDE Annamalai University | 2010 | 69% |
| BSc Computer Science | Kerala University | 2007 | 80% |
| HSE Computer Science | Board of Exam Kerala | 2004 | 87% |
| SSLC | SSLC Board Kerala | 2002 | 85% |

**TECHNICAL SKILLS**

Frontend testing tools : Selenium WebDriver , Protractor for Angular2

Web Service automation : Rest Assured api and Soap UI

Performance Testing : Web Load,Gatling

Build System : Gradle ,Maven, gulp

Languages : Java, Typescript/JavaScript

Test framework : TestNG , Cucumber, Jasmine

Bug tracking tool : Jira, MTM, Rally

Database : MongoDB, IBM DB2,Postgres

Operating Systems : Windows, Unix

Domain Knowledge : e-commerce, Financial, Rail transportation

**EMPLOYMENT SUMMARY**

* Working as Software Quality Engineer(Automation) in General Electric Chicago.
* Worked as Software Development Engineer in Test in Morningstar Chicago.
* Worked as Test Analyst in UST Global for Equifax in St Louis
* Worked as Test Analyst in Infosys , worked for various clients in India & USA.

**WORK EXPERIENCE**

**Project : Smart Automotive terminal**

Role : Software Automation

Employer : GE Transportation Chicago (Oct 2017 till date)

Project Description:

This project involves automation of application developed in Angular2+ using protractor, typescript and Cucumber BDD framework. I have automated client side performance regression using protractor perf.

Backend of this application is built using spring boot with Predix platform, We have automated all micro services using Restassured with cucumber java.

**Project : Automation of Morningstar.com**

Role : Software Development Engineer in Test

Employer : Morningstar Inc., Chicago (Aug 2015 to Sep 2016)

Project Description:

This project involves redesigning of Morningstar page in Adobe Experience Manager (AEM) and moving to more web service oriented architecture.

Achievements

* Saved 30% time and cost of testing by automation using Selenium WebDriver, SOAP UI
* Increased productivity by 20% by effectively training, leading and managing the Agile automation team.
* Independently handled automation testing, load testing and managed offshore team.

Responsibilities

* Implemented automation using Selenium WebDriver, JAVA, Selenium Grid, Maven.
* Implemented Continuous integration using Jenkins CI Tool for web automation(Selenium) and web service automation (SOAP UI)
* Implemented Page Objects framework, Hybrid framework and 15+ Page classes from scratch to represent web pages.
* Extensively automated regression and functional test suites by developing over 100 test cases, 3 test suites using Selenium WebDriver, JAVA, TestNG.
* Used Maven, Selenium Grid to execute Selenium automation suites on different platform, browser combinations in parallel.
* Performed Defect Tracking & Management in JIRA.
* Worked in a highly dynamic AGILE environment and participated in scrum and sprint meetings
* Identified weaknesses in QA Processes, Web testing, Selenium Automation. Suggested & implemented improvements.

**Project : Unemployment Modernization (Tax)**

Role : Test Analyst

Employer : UST Global, USA

Client : Equifax workforce solutions, St Louis USA

Project Description:

Equifax Work force solution (TALX)’s primary business involves contesting unemployment claims. This project involves migration of tax processing engine from old Infomix- COBOL System to IBM ODM, BPM & SQL servers.

Responsibilities:

* Requirement gathering from Business Unit and estimation of sprint stories based on the resource and sprint timelines.
* Automation Feasibility Analysis for the stories in each sprint and application as a whole.
* Involved in Test Data Creation and Test data management.
* Regular customer interaction on test Strategies, Test plans and resource utilization
* Review, audit and document feedback on work products and to ensure adequate level of quality
* Managing a team of 7 members in Onsite-offshore mode.

**Project : Sears Content/database testing**

Role : Test Analyst

Employer : Infosys Ltd, USA & India

Clients : Sears Holdings Corp USA

Project Description:

Sears Holdings Corporation is a leading integrated retailer with over 3,900 full-line and specialty retail stores in the United States and Canada. The project is to validate WCS tables and content batch jobs in QA environment as well as in production. It also involves data migration testing between WCS and NoSql database MongoDB.

Responsibilities:

* Analyzed business requirements, system requirements, data mapping requirement specifications from Business Requirement documents (BRD) and Detailed Technical Design (DTD) documents.
* Involved in extensive data validation using **SQL** queries and back-end testing.
* Involved in the data migration testing between **IBM WCS DB2 and MongoDB**.
* Validating XML files from third part System and loading data to WCS tables and verifying data against xml files and business rules.
* Validating Content batch jobs for Ecommerce application, stored procedure and table trigger validation.
* Validating Business reports created in Data stage, Talend and Hadoop.

**Project : Sears service Live testing**

Role : Test Engineer

Employer : Infosys Ltd, USA

Clients : Sears Holdings Corp USA

Project Description:

This project is to test the Service Live web application developed in Service Oriented architecture. The primary objective of this project was to prepare test cases for web services created for the service Live application, test the web services based on the test plan, develop test strategy for the manual testing of Order management online application, prepare both functional and regression test cases and execute them for different releases. The key functionalities of this application are user account creation, user profile management, order creation and order management etc. This project includes different types of testing like Service level testing using SoapUI tool, Integration testing, End to end testing and Regression testing.

**Project : Taleo-Oracle HRMS Interface Testing**

Role : Test Engineer

Employer : Infosys Ltd, India

Clients : Nordstrom USA

Project Description:

Taleo’s solutions primarily focus on talent acquisition (recruitment), performance management, learning and development, and compensation management. Taleo-HRMS testing in Nordstrom mainly involves Interface testing between Taleo and Oracle HRMS. Testing involves test data creation in Taleo front end, running jobs in Control M, Analysing the log and debug issues in the log and validation in Oracle HRMS.

Responsibilities:

* Analyzed business requirements, system requirements, data mapping requirement specifications from product specification document (PSD) and responsible for documenting functional requirements.
* Involved in developing detailed test plan, test strategy documents for Functional and Regression Testing.
* Involved in Data mapping specifications to create and execute detailed system test plans. The data mapping specifies what data will be extracted from Taleo and transformed and sent to Oracle HRMS.
* Used HP Quality Center to write test cases, analyzed the results, tracked the defects and generated the reports
* Used Excel macro to validate data between source and destination.

**Project : HAAI Maintenance Release**

Role : Test Engineer

Employer : Infosys Ltd, India

Clients : ABN AMRO Netherland

Project Description:

This project involved Functional Acceptance Testing of the HAAI Application. The HAAI Application is the front end application used by ABN AMRO Mortgages Group for creation and processing of loans. The Application caters to all aspects of loan creation and processing starting from loan advice creation to sending loan details to the Back Office for the further processing.

Responsibilities:

* Analyzed Business Requirements documents to get a better understanding of Business Perspectives.
* Involved in Writing the Test Cases and Test Plans based on Source to Target Mapping Documents in **Quality Center**.
* Performed the Back-end Integration Testing to ensure data consistency by writing and executing **SQL** Statements.

Place : Chicago Yours Faithfully,

Date : 10/16/2017 Deepu Velappan Nair