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**Satheesh Kumar Duraisamy**

**Overview**

* Proven expertise in Automation Testing, serving as a **Senior Test Automation Architect / Technical Test Manager with specialization in tools like HP QTP / Micro Focus UFT One, Selenium, and TOSCA**
* More than **3+ years** of experience in Rail Road domain (**TMDS - PTC, iETMS, BOS, EWM, MCS**)
* Experienced in **Security, Integration, Mobile (Android & iOS), Functional, Regression, Interoperability,** **Conformance**, **Smoke, System, UAT, usability, Performance, Stress and Load testing**
* Worked with various automation tools likeWinRunner (4 Years)**, QTP / UFT (15+ Years), Rational Robot (RFT – 3 Years), TOSCA** Mobile Center, OWASP, LoadRunner, JMeter, **Jenkins, Azure DevOps**
* Expertise in creating Automation Scripts for **SAP GUI, UI5, NWBC, SAP Fiori, S4 HANA using UFT**
* Good Experience in testing **PTC TMDS CAD, On Board (I-ETMS), BOS, Interface server** test scenarios
* Basic knowledge in Blue Yonder SCM
* Experienced in Automating Applications in following **Domains**:
	+ **Banking and Financial (BFS), Insurance, Capital Markets, Life Science, Retail, Manufacturing & Logistics (Automobile Industry), Transportation (Rail Road) and Healthcare**
	+ Experienced in automating applications built on various technologies using WinRunner, **RFT**, **QTP / UFT 12.52 /** **UFT 14.01 / UFT 14.5 / 15.02, TOSCA 12, CBTA, SAP Solution Manager**
* Testing Tools - **RFT, STM, QTP / UFT 14.50, QC 10.0 / ALM**, **TOSCA, OWASP, LoadRunner, JMeter**
* Efficient in preparing **Test Plan, Test Strategy, Test Estimation & Coding Standard Document**
* Good Knowledge in **LoadRunner, JMeter, OWASP**
* Created automation scripts using various version of **QTP / UFT 14.01 / 14.50 /15.02 and TOSCA**
* Mentored and trained the team on methodologies, tools, and techniques
* **Experienced in managing multiple projects with team size of 15+**
* Experienced in **Agile Test Automation** & **Scrum environment**
* Good knowledge in **DevOps**
* Experienced in Mobile Automation using **UFT** and **Mobile Center**
* Experienced in **POC Demo, Preparing PPT and Videos for client presentation**
* **Done Webinar on SWIFTest (Selenium) for Sensiple Software**
* Experienced in handling teams working on **Selenium, Python, Robot Framework, Appium**
* 15+ years of Extensive experience in Test Management tool **HP-QC / ALM**
* Proactively managed testing for **highly** visible and challenging applications under tight schedules by adapting well-defined process for testing.
* Awareness of testing approaches, practices, and techniques to help design and deliver the overall testing methodology used by the team
* **Design and develop the test automation framework, harnesses, and code libraries to enable the team to use them across successive projects**
* Take **responsibility for test infrastructure including environments and software**, liaising with teams such as DevOps and Support in areas such as CI/CD
* Designed More than **1000+** Automation Scripts using various versions **QTP / UFT**
* Designed More than **50+** Automation scripts for Mobile Testing (Android) using **Mobile Centre & UFT**
* Designed More than **400+** Automation Scripts using various versions of WinRunner
* Designed More than **50+** Automation Scripts using Rational Robot
* Designed More than **350+** Automation Scripts for **SAP** application using **QTP / UFT 14.53**
* Designed More than **40+** Automation Scripts for **SAP** using **SAP CBTA**
* Designed More than **100+ Automation Scripts for MSD CRM using QTP / UFT 14.01**
* Designed More than **10 Automation scripts for Web application and SAP using TOSCA 12**
* Done End to End Automation (Order Processing, Scrapping, Dealer Returns, Invoicing) in **SAP (Finance, ERP, EWM, SCM & CRM)** modules using **HP UFT** Automation tool for Ford
* Done Automation for Migration Project from Legacy system to **SAP** in Ford.

**Education**: **MCA** from University of Madras, India, Tamil Nadu, Chennai

**Certifications**

* **ISTQB** Foundation Level Certified Professional
* **HP QTP / QC** Certified Professional
* **Tricentis Tosca** – AS1, AS2, TE L1, SAP Testing Specialist L1, Automation Specialist for SAP, QTest L1

**Technical Skills**

* Operating System : Windows 8 / 10, Citrix.
* RDBMS : MS Access, SQL Server.
* Scripts : VB Script, TSL
* Testing Tool : **RFT**, WinRunner, **ALM, UFT 24.4, Selenium, TOSCA 23.08, CBTA, Selenium**
* Technologies : **PB**, **Salesforce**, **SAP**, **ERP,** **Java, C#, .Net**, **Pega, MSD, Silverlite**
* Mobile Automation : **HP Mobile Center** (Android and iOS)

**Rewards and Recognition**

* Received Spot Recognition Award for ES&S Project in Sensiple - 2016
* Received Mountain Mover Award for BTR & MPS2 Project in Ford – 2014 & 15
* Received Spot Recognition Award for GSK Project in Cognizant - 2012
* Received Spot Award in EDS – 2005, 06, 08 & 09
* Received Spot Award in DSQ for Test Script Migration Project – 2001 & 02

**Professional Experience**:

1. **Designation : QA Automation Architect June 2024 – Till Date**

**Projects : LOI Submission**

**Client : PCORI**

**Employer : eGrove Systems Corporation, NJ – USA**

**Role – QA Automation Architect / Test Manager**

* + Involved in preparing Estimations for POC (**TOSCA, TESTIM**)
	+ Execute functional, Integration and regression automation suites using **UFT One 24.4**
	+ Involved in defining and analysing test requirements based on the application functionality
	+ Created Automation scripts using **TOSCA, TESTIM** for Salesforce (**POC**)
	+ Migration of **UFT** test scripts to **TOSCA**

**Environment: Java, .Net, Salesforce, UFT One 24.4, ALM, TOSCA 23.08, TDM, TESTIM, Azure**

1. **Designation : Automation Test Lead, AVP Aug 2022 – March 2024**

**Projects : Global Corporate Action System (GCAS)**

**Employer : State Street Bank and Trust Company, MA – USA**

Corporate Action COE utilizes two core systems to support the corporate action needs of clients. GCAS is an internally developed and maintained system supporting all custody clients. GCAS will be enhanced to support the Corporate Action needs of middle office clients additionally to build a single CA system for both Custody and MO clients. Existing functionality in GCAS will be leveraged to build a state-of-the-art application suited that can support all business lines and focus growth and investment in strategic long-term IT solution. Internally developed Middle Office interfaces will be retained for normalizing account and position data to enable the quick onboarding for new MO business. This process requires enhancing the existing features of GCAS to accommodate middle office corporate action requirements.

**Role - Automation Test Lead**

* + Maintenance of Existing Automation scripts for **GCAS** application using **UFT 15.02**
	+ Execute manual test cases for various **GCAS (Web & GUI)** applications
	+ Attending daily calls with On Shore and Off Shore teams
	+ Creating new automation scripts for **GCAS (Web & GUI)** application using **UFT 15.02**
	+ Designed more than **50** scripts using **UFT 15.02 & Selenium**

**Environment: Java, Selenium, UFT 15.02, VB Script, Mainframe**

1. **Designation : Test Lead Jun 2018 – Aug 2022**

**Clients : Kansas City Southern Lines, Adient, Comcast, Hertz Corporation, PACCAR Inc.,**

**Projects : PTC – TMDS CAD, BOS, I-ETMS, TMS, GTS, (SAP GUI and WEB Applications)**

**Employer : eGrove Systems Corporation, NJ – USA**

Positive Train Control (PTC) systems application is designed to prevent train-to-train collisions, over-speed derailments, incursions into established work zones, and movements of trains through switches left in the wrong position. PTC systems are integrated command, control, communications, and information systems for controlling train movements with safety, security, precision, and efficiency. The objective of the project is to validate the Message flow between PTC BOS and other downstream and upstream applications and testing of different dispatch systems

**Role – Sr Automation Architect**

* + Maintenance of Automation scripts for **PTC TMDS** application using **UFT 14.50 (CPKC)**
	+ Testing all components in **TLD** such as Main and Siding tracks, Switches and Signals **(CPKC)**
	+ Executed Interface Server test cases for every release of application **(CPKC)**
	+ Involved in **EDI** testing for validating **161** SDD messages **(CPKC)**
	+ Validating **Loco 🡪 BOS and BOS 🡪 Loco** Messages (**2 Series & 1 Series**)
	+ Executed Essential and Core Testcases in **DEV / LIEE1 / LIEE2 / HAT / ILT 11** environments
	+ Follow-up of defect status in **Redmine** by co-ordinating with Wabtec Manager
	+ Validating **525**, **526** and **527** messages in Logs, TMDS and DB after positioning Train, Cars (including Engines) and Crew **(CPKC)**
	+ Involved in assigning Current Crew and Relieve Crew based on Duty Hours, Crew are assigned from **EWM** application and validated in **TMDS** and **DB (CPKC)**
	+ Trailing list, **DP** Engines and **KEY** Trains in **MCS** and verify the same in **TMDS** **CAD** & **DB (CPKC)**
	+ Handling client communication and maintain good working relationship with client **(CPKC)**
	+ Attending daily scrum calls, Sprint Planning meeting with the stake holders **(Paccar)**
	+ Follow up of identified detects till closure in **ALM (CPKC)**
	+ Created **POC** for **Customer timeline** application using **TOSCA 12.0 / Selenium (Comcast)**
	+ Created scriptsfor **SAP TM, GTS, P2P, SP & FICO using UFT 14.53 & TOSCA (Paccar)**
	+ Created Automation scripts for **SAP GUI, UI5, NWBC, Fiori** using **UFT 14.53 & Tosca (Paccar)**
	+ Created Automation scripts for Mobile Applications (**Android** & **iOS**) using **UFT 14.50 (Hertz)**
	+ Created Automation scripts for API testing using **UFT 14.50 (Hertz)**
	+ Involved in preparing Automation Scripts for **SAP** using **CBTA** **/** **UFT 14.53 (Adient)**
	+ Designed more than **150** scripts using **CBTA & UFT 14.53 (Adient)**
	+ Automation Scripts Management in **SAP Solution Manager**, **ALM (Adient)**
	+ Managing onsite and offshore **SAP TCoE** teams for testing & validation deliverables **(Adient)**

**Environment: SAP GUI 74, SAP UI5, SAP NWBC, SAP Fiori, SAP Solmon, S4 HANA, CBTA, UFT 14.50 / 14.53, Selenium, TOSCA 12.0, TDM, DEX, ALM, VB.Net, C#, VB Script, Mobile Centre, AWS, Azure**

1. **Designation : Senior QA Consultant Sept 2017 To May 2018**

**Client : Neuberger Berman (USA)**

**Projects : Charles River Development (CRD), Prism, OPSS & P8 (Salesforce), SAP**

**Employer : Pamten Software Solutions, Chennai - India**

**Role - Senior Test Automation Architect**

* + Responsible for project delivery, team handling, Scripting, and work allocation
	+ Involved in preparing Estimations for POC and Automation of various modules
	+ Involved in feasibility analysis and Defining Scope for Automation using **UFT 14.01**
	+ Involved in creating automation scripts using **HP UFT 14.01**
	+ **Designed around 60 Scripts using** **UFT 14.01**
	+ **Designed around 3 scenarios for SAP Finance Module using TOSCA 11.0**
	+ Involved in all high-level discussion with management team
	+ Attending daily status calls with Client Manager
	+ Responsible for preparing POC Demo, Script Review / Walk through
	+ Supporting multiple projects in automation challenges

**Environment: Salesforce, SAP FICO, Java, .Net, UFT 14.02, ALM, TOSCA 11, STM (Selenium)**

1. **Designation : Senior Technical Architect July 2016 To June 2017**

**Clients : Agero, Illumina & HP (USA)**

**Employer : Accel Frontline Limited, Chennai - India**

**Role - Senior Test Automation Architect / Test Manager**

* + Handling the team of 5 resources
	+ Responsible for project delivery, client handling
	+ Involved in preparation of Test Strategy / Test Plan / Estimations
	+ Involved in feasibility analysis and Defining Scope for Automation using **UFT 12.52**
	+ **Designed more than 50 scripts using** **UFT 12.52**
	+ **Designed 2 scenarios using TOSCA 9.3 for Agero client applications**
	+ Involved in API, Functional / Integration, CBT and Regression testing
	+ Involved in all high-level discussion with client, stake holders & senior management
	+ Responsible for preparing POC Demo, PPT & videos for presenting to client

**Environment:** Java, **Appium**, **C#, JMeter**, **UFT 12.52, TOSCA 9.3, OWASP, Jenkins, API, CBT (Selenium)**

1. **Designation : Senior Test Automation Architect April 2015 To July 2016**

**Clients : ES&S, Tiffany, Virtual Systems & Streaming Edge**

**Employer : Sensiple Software Solutions, Chennai - India**

**Role - Senior Test Automation Architect / Test Manager**

* + Forming Automation Team for Various Tools (**UFT 12.52** / Selenium / SWIFTest)
	+ Kick-off of first Automation project for Sensiple
	+ Leading 15 Members Team
	+ Involved in preparation of Test Strategy / Test Plan / Automation Scripts (**UFT**)
	+ **Designed more than 50 scripts using** **UFT 12.02**
	+ **Designed 1 Scenarios using TOSCA 9.0**
	+ Involved in Pre-Sales Calls with Client & Management Team
	+ Involved in feasibility analysis and Defining Scope for Automation using various tools.
	+ Reporting POC and Project status to VP – Testing Practice Head

**Environment: Java, C#, UFT 12.02, TOSCA 9.0, Selenium, MSD CRM, Appium, Jenkins, VB.Net**

1. **Designation : Principle Consultant Nov 2013 To April 2015**

**Client : Ford (UK / USA)**

**Projects : BTR Automation (SAP) & MPS2 (Salesforce)**

**Employer : Cibersites India Pvt Ltd., Chennai - India**

**Role - Senior Test Automation Architect**

* + Preparing Estimation for POC & Automation of various applications
	+ Done feasibility analysis and Defining Scope for Automation
	+ Involved in preparing POC Report, User guide document
	+ **Designed around 80 Scripts for SAP using QTP 11.0**
	+ **Designed more than 180 Scripts using QTP 11.0**
	+ Involved in API Testing, Integration and Functional Testing
	+ Executing QTP Scripts from QC, Setting Test Lab in QC for Automation Execution
	+ Attending weekly Calls and reporting status to ford TCoE
	+ Responsible for Demo / Walkthrough of the Scripts

**Environment: Java, Salesforce, SAP (ERP, CRM, SCM& EWM), QTP 10.0 / 11.0, VB Script, ALM**

1. **Designation : Senior Associate Nov 2009 To April 2013**

**Clients : Walmart, Ford, Standard & Poor’s, GSK (USA / UK)**

**Projects : ILV, SOF, ABS & CP Explorer, STARS, BTR (SAP) & SFI-IDM**

**Employer : Cognizant Technology Solutions, Chennai - India**

**Role - Senior Test Automation Architect**

* + Identifying Business Scenario’s & High-Level Test Cases
	+ Done feasibility analysis, Requirement Analysis. Defining Scope for Automation
	+ **Designed more than 240 Scripts using QTP 10.0 / 11.0**
	+ Executing QTP Scripts from QC, Setting Test Lab in QC for Manual / Automation Execution
	+ **Designed around 100 Scripts for SAP (EWM & MM) modules using QTP 11.0**
	+ Attending Scrum Calls daily and reporting status to client manager
	+ Review of all documents for client deliverables
	+ Responsible for Demo / Walkthrough of the Scripts / Test Cases to the client. (Every Week)
	+ Preparation of Project Closure Documents
	+ Involved in start-up audit and process audit

**Environment: Power Builder 10.0, SharePoint, Salesforce, MSD CRM, SAP (ERP, CRM, SCM & EWM), Pega, Flex, Oracle 10.g, Citrix, QTP 10.0 / 11.0, QC 10.0, VB Script, HP LoadRunner**

1. **Designation : Senior Software Engineer March 2004 To Nov 2009**

**Clients : FINRA(Fidessa), Delphi, GM, Westpac Bank, ABN Amro (USA / UK / Australia)**

**Projects : EET, RFA, GES, SAM, Fidessa & Wall Street Systems (WSS)**

**Employer : EDS (I) Pvt. Ltd., / Mphasis, Chennai - India**

**Role - Automation Test Lead**

* + Involved in Analysis of various framework to pick suitable framework for EET application
	+ Understanding Keyword driven framework designed by the client
	+ Customized the RAD Framework against EET Framework
	+ **Designed Automation scripts for Fidessa Application using QTP 10.0**
	+ **Designed 350+ scripts using QTP 10.0 & 80+ scripts using Rational Robot (RFT)**
	+ Involved in Functional & Regression testing, preparing estimation / test plan
	+ Done Integration / Functional / Smoke and Regression testing
	+ Reporting Defects in Clear Quest / Quality Centre, attending bug review meetings
	+ **Designed more than 275 Automation scripts using WinRunner**

**Environment: .Net, Java, ActiveX, VsFlexGrid, Citrix, Sybase 11.2, SAP, Test Director 7.01, WinRunner 7.01, QTP 10.0, VB Script, HP LoadRunner, Rational Robot (RFT)**

1. **Designation : Senior Software Engineer June 2000 To Feb 2003**

**Clients : Liberty Mutual, Capital One, Virtual Access (USA / Netherlands)**

**Projects : CAW, LTAT, Fidessa, Asbestos (I & II) and ATS**

**Employer : DSQ / Scandent, Chennai - India**

**Role - Automation Test Lead**

* + **Designed more than 140 Automation Scripts Using WinRunner**
	+ **Developed around 60 Rational Robot script**
	+ Executing Scripts from Test Director
	+ Preparation of the Integration / Functional Test Case & Testing
	+ Done Integration / Functional and Regression testing
	+ Developed scripts based on configuration of Router

**Environment: VB 6.0, Jacada, Component One, Matrix One, Java, IE, Netscape Navigator, Rational Robot (Functional and Performance), Site Check, WinRunner 7.01**