**BHARATH SANNADI**

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* 13 years of work experience dedicated to Plan, design, develop and execute Automation Test Plans (Automation Testing Projects).
* Developed Automation for Client/Server Windows applications, Internet/Intranet applications and Mobile apps using Java, Groovy, JavaScript, Selenium, Quick Test Pro (QTP), Perfecto Mobile, Appium, Soap UI , Visual Studio Team Suite and C#.
* Played Roles like Automation Lead, Test Architect and Test Automation Specialist for various teams with Responsibilities like Requirement Gathering, Test Planning, Test Execution, Work allocation, Technical Coordination, Status Reporting etc.
* Certified Agile Scrum Master and CSTE Certified Tester
* Currently, I am managing an Automation team with team size of 4 members; The Focus of our team is to automate the regression scenarios using Grails, Groovy and Selenium in BDD model
* Expert in creating Test Automation Frameworks for UI Automation(Both Windows Based, Web-Based, Mobile Web and Mobile Apps) , Service and Queue Automation(REST Services, SOAP Services, JMS), API Automation and Back-End Automation using Java , Groovy , C#.net, VB.net and VB using Behavior driven Testing , Data Driven, Keyword Driven and Hybrid frameworks.
* Extensively worked on Java, C#, Selenium tool Suite, Selenium Grid , JUnit, QTP\UFT , VB.net, VB Scripts, TestNG, Junit, Groovy, Spock , GEB, JBehave, Apache CXF, Apache POI, JUnit, Maven, Jenkins, Perfecto Mobile, HTML , XML , JavaScript, JQuery
* Good knowledge on different testing frame works like I have good knowledge on Airlines Domain with Booking Portals, Management Applications, Amadeus Reservation system and Kiosk.
* I have good insight knowledge in Retail Sector which includes Master Data Management, Order management, Pricing, Quoting, Prospect to Customer, MTS, and PTP etc.
* Excellent knowledge on Financial Services, Public Sector (Unemployment insurance) Good functional on modules like Claims, Issues and adjudication, Monetary, Payments and appeals.
* Was Part of Automation test teams that delivered Microsoft products like Visual studio 2005, Virtual server 2008, Windows genuine advantage, Microsoft Avondale
* Excellent capability in handling UFT, QTP BPT Model Automation and VB scripting
* Expert in Training different automation teams on Selenium, QTP, CSTE Certification and ISTQB certification.
* Excellent knowledge on JMS, REST , SOAP Web Service Testing and API testing
* Expertise in Automating SAP CRM Portal (Retail),SAP UI, SAP ECC, SAP GUI applications using QTP tool.
* Proficient in SQL and JDBC programming & RDBMS tools using Oracle, SQL Server.
* Excellent knowledge in all phases of Software Development Life Cycle (SDLC), Worked in Waterfall model, V-Model and Agile Model.
* Expertise in Integration testing (Integration between internal modules and System to COTS software.
* Developed Custom automation frameworks using High Level Languages Like Java, C# and VB.net,.
* Developed Automation tools for database Performance and Stress using C#.
* Proficient in Microsoft Automation Frameworks –MAUI (Microsoft Automation User Interface), WTT (Windows Test Technologies) tool.
* Authored a Whitepaper on Custom Automation Framework Development for Framework Testing using C# and .Net

**Technical Skills:**

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| **Testing Tools** | Selenium WebDriver 2.0, Selenium IDE, Selenium RC, Selenium GRID, GEB, SoapUI, Perfecto Mobile, Robot Framework, FEST(Open Source tool - fixtures for easy testing for Java Thick Clients), Quick Test Professional (QTP) 9/10/11, UFT-11.5 and Visual Studio team suite using C# and VB.net |
| **Languages** | C, C++, Java Script, Java, C#.Net, VB.Net, VB script, Groovy Script, Ruby. |
| **Databases** | MS-SQL Server 2012 and PL/SQL, Oracle |
| **Web/Component Technologies** | XML, XSD, XSLT, HTML, JQuery, CSS, JSON. |
| **IDE’s / Tools** | JIRA, Rally, Rational Clear Quest, Eclipse, Intellij Idea, NET Beans, Maven, ANT, Jbehave, TestNG, Junit, Apache POI, Apache CXF, Jenkins, HP QC, ALM, Visual Studio Team Suite, Test Architect, Product Studio, Octopus, Fiddler, IE Developer tool Bar , FireBug, Element Inspectors, SAP GUI, SAP ECC. |
| **Source Control Software** | Tortoise SVN, Clear Case, Git Hub, Source Depot. |
| **Operating Systems** | Windows Vista, Longhorn, 9X/ XP, 2000, 2003, and Linux. |
| **Frameworks** | JBehave, Spock , TestNG, Junit, .Net, Maddog , WTT, MAUI, META , RPF 1.9 ,Echo UI , KAF 1.2 |

**Professional Experience:**

**Project #1:**

**Client:** **VCE(EMC Company), DALLAS, TX**. **Feb 15 – Till Date Project: XACT – Advanced configuration tool**

**Role:** **Automation Specialist**

* **Analyze , Plan and Automate REST Services , JMS and Web User Interface** following agile methodologies
* **As Test Specialist to Create Frameworks using Open Source tools and Different Java libraries :**
  + Frameworks using Eclipse IDE, Java, JDBC , Selenium ,JSON Util, Maven , SQL, HTTP Rest Utils, Apache POI, TestNg and Report NG.
  + Frameworks Grails , Groovy , Selenium driver , GEB, JQuery, SQL, HTTP Rest Utils, groovy configslurper, Spock (Behavior Driven Development modeling) , SQL Server 2012
* Efficiently develop tests that fits in agile scrum model for continues Integration
* Create test data using random test data generators , fetching data from Database
* Utilize the Java, groovy to develop complete object oriented test development platforms
* Perform Continuous Integration using Jenkins to validate tests after each check-in using automated tests
* Automate complex rest services and perform database validation
* Automate the integration tests between service and UI
* Automate queues configured using Rabbit MQ
* Review the automation code and check the coding standards.
* Mentor teams to design automation steps, identifying objects and creates test scripts.

**Environment:** Eclipse IDE, Java, Groovy , Spock (Open Source Framework), JDBC , Selenium ,JSON Util, Maven , SQL, HTTP Rest Utils, Apache POI, TestNg, Report NG, XML, MS Excel, HTML, JSON, JavaScript, JIRA, Rally, Windows 7, Firefox, IE, Chrome, Firebug

**Project #2:**

**Client:** **AT&T, DALLAS, TX**. **Jun’14 – Feb’15 Project: ATT Website – UI Redesign**

**Role:** **Automation Lead**

* Conduct thorough study and analysis of ATT UI Screen redesigns and understand manual test cases.
* **Lead Automation team of five members**, Creating Test strategy and Test plan, Organize test plans, test runs and create test data for the test automation.
* Create a POC with limited number of test cases using **Selenium IDE,** **Selenium Web driver**.
* Design and Develop **Selenium Hybrid Automation framework** using **Java reflection, TestNG, Apache POI, Apache CXF, for Web Service automation and Maven**.
* Automate ATT regression suite using the **Selenium Web driver, JSON Classes, JDBC.**
* Review the automation code and check the coding standards.
* Used **Selenium GRID for executing Test cases** with different browsers configurations on Lab machines
* Perform Backend Compatibility with **Selenium 1 using the Selenium 2 drivers**
* Design and develop framework for **Mobile Browser application testing using Perfecto Mobile**.
* Work in **Agile Scrum Development Environment** with frequently changing requirements and features set.
* Plugin with **Continuous Integration for builds validation using Jenkins**.
* Performing gap analysis.
* Define software quality metrics that lend traceability to the software lifecycle in order to measure and track delivery dates, defect rates, and burn rates.
* Mentor manual team to design automation steps, identifying objects and creates test scripts.
* Supporting execution for regression testing.
* Analyze testing results and defects, and provide recommendations to development team.

**Environment:** Selenium WebDriver, Selenium IDE, Selenium GRID, TestNG, UFT (QTP11.5), ALM (QC11.5), JAVA, Maven, Perfecto Mobile, XML, MS Excel, HTML, JSON, JavaScript, Rally, Eclipse IDE, Windows 7, Firefox, IE, Chrome, Firebug

**Project #3:**

**Client:** **Southwest Airlines, DALLAS, TX**. **Sep’13 – Jun’14 Project: CODA – Amadeus Reservation System**

**Role: Test** **Automation Architect**

* Understanding the Client business needs and the business process of the **Amadeus reservation system**
* Understanding the Automation Needs from multiple teams while automating Amadeus reservation system
* **Lead a Team of Six members**, Preparing an **automation test plan, provide the timelines and automation effort estimation**
* Design and Develop **Selenium Automation framework using** **JBehave, Groovy, Java and Maven**.
* Automate ARD web app and SouthWest.Com international regression scenarios **using Selenium Web Driver**.
* Automate **CM2 App, Quick App and Kiosk** using **QTP 11.0**.
* Automate **Java Client applications using FEST tool.**
* Used **Selenium GRID for executing Test cases** with different browsers configurations on Lab machines
* Worked in **Agile Scrum Development Environment**
* Plugin with **Continuous Integration for builds validation using Jenkins**.
* Analyzing and automating **end to end integration scenarios between different apps using QTP.**
* **Mentor and train the team members on the Selenium and QTP tool,** Help them in resolving the technical problems faced
* Supporting execution for regression testing.
* Identify Automation risks and Creating the mitigation plans
* Analyze testing results and defects, and provide Metrics.

**Environment:** Selenium WebDriver, Selenium IDE, Selenium GRID, Jbehave, Groovy, QTP 11, QC 11.0, JAVA, Maven, XML, MS Excel, HTML, Eclipse IDE, Windows 7, Firefox, IE, Chrome, Firebug

**Project #4:**

**Client:** **State Government of Florida, Tallahassee, FL**. **Mar’12 – Aug’13 Project: FL Connect - Unemployment** **insurance**

**Role:** **Senior Consultant**

* Understanding the Client business needs and the business process for the unemployment insurance
* Understanding the client requirements and **Preparing the technical specification , Mapping the screens to the data model**
* Perform **deep dive analysis on the Use cases**
* Lead the Automation team to automate the smoke tests using Selenium
* Worked as an **SME for the Issues and adjudication , Program integrity modules, Helped the development** and test team to understand the business
* Preparing an **automation test plan, provide the timelines and automation effort estimation**
* Design and Develop **Selenium Automation framework using** **Java reflection, Apache POI and Maven**.
* Automate Unemployment insurance flows scenarios **using Selenium Web Driver**.
* **Mentor and train the team members on the Selenium and QTP tool,** Help them in resolving the technical problems faced
* Batch management using UC4
* Supporting execution for regression testing.
* Identify Automation risks and Creating the mitigation plans
* Analyze testing results and defects, and provide Metrics.

**Environment:** Selenium WebDriver, Selenium IDE,Java, QTP 11, QC 11.0, JAVA, Maven, XML, MS Excel, HTML, Eclipse IDE, Windows Vista, Firefox, IE, Chrome, Firebug

**Project #5:**

**Client:** **Sysco, AK.** **Mar’11 – Mar’12 Project: Sysco SAP CRM Automation**

**Role:** **Senior Consultant**-**Automation Lead\Automation Test Architect**

* Understanding the client requirements and Preparing Automation Framework and necessary Test data input sheet for various CRM flows
* Preparing a detailed test plan for all the test cases with the approach of automation
* **Understand and Author test cases using QTP - BPT model**
* Automating the test cases for all the Regression flows for **SAP Front End , SAP ECC, SAP GUI**
* Unit Testing and Stabilizing the Automation Code
* Collecting and Updating the status and follow the SAP process Methodologies in review other team members code
* **Mentor and train the team members on the QTP tool**, Help them in resolving the technical problems faced
* Communicate the Risks and Issues and also quantify the Risk, Tack the same in the SharePoint.
* Provided Client with all the Document Support
* Created a Backup Script for taking Automatic Backup using QC API
* Identify Automation risks and Creating the mitigation plans
* Analyze testing results and defects, and provide Metrics.

**Environment:** Windows 7, Quick Test professional 10.0, Quality Center,Java, Selenium WebDriver, Selenium IDE , SAP GUI, SAP CRM, SAP ECC, Quality Center

**Project #6:**

**Client:** **Deloitte OIM.** **Jan’09 – Mar’11 Project: Deloitte Audit**

**Role:** **Senior Analyst**-**Automation.**

* Author Test Scenarios and Test cases for the Integration testing
* Followed agile methodology for delivering different integration points.
* Coordinated With Onsite and developed an Automation Framework in C# for Data Loader component which loads the data from Content management to the Engagement Management Server
* Understand & author key business transactions based on the functional documents, system requirements documents
* Understanding & Author test cases for the integrations between COTS software and Deloitte Audit
* Creating Stubs and Drivers for driving the Integration Tests
* Understand each of the Sub Applications and perform Integration testing
* Major integration Points that I was involved in testing are
* Integration between the Content Management System to the Engagement Management System
* Integration between the EMS client to EMS Server (Includes Synchronization , Archival , MSMQ testing)
* Integration Between Active directory to the EMS , CMS
* Integration to Mailing Server
* Integration between DA to the OPS Manager
* Integration between the Documentum to XMetal and WebTop
* Involved in Data Integrity and Data Migration testing

**Environment:** Windows Vista, SDLC , STLC, Selenium, Java, Quick Test Professional, Documentum, XMetal, WebTop, SQL Server 2008, Quality Center, Clear Quest.

**Project #7:**

**Client:** **Microsoft Corporation, Redmond.** **Mar’08 –Jan’09 Project: Genuine Advantage (AVS2.0 – RLS)**

**Role:** **Software Development Engineer in Test (SDET).**

* Leading OGA Platform Automation Team with team size of 5 members.
* Followed agile methodology to deliver the scripts
* Developed a new framework for Automation which helps us in running multiple test scenarios, logging, Uploading results, emailing the same.
* Develop automation for SQL SSIS integration using Visual Studio.net, C# and SQL
* Automated Web Services using the C# programming
* Developed an Automation tool using C# for Performance and Stress Testing.
* Involved in developing automation code for test Cases
* Fixing automation Code in case of failures

**Environment:** SDLC, STLC, Windows Server 2008, Product Studio, WTT, C#, SQL Server 2005.

**Project #8:**

**Client:** **Microsoft Corporation, Hyderabad.** **Feb’07 –Mar’08 Project: Virtual Server 2005 and Virtual PC**

**Role:** **Software Development Engineer in Test (SDET).**

* Automating Test Cases using tool RPF 1.9, Automate test cases using C#.
* Fixing Automated Test cases
* Preparing Test bed setup like installing different OS’s with in VM (Virtual machine) and on the Host
* To configure network , domain in the virtual machines
* Preparing Test Plan
* Manual Test Pass
  + Executing the Manual Test cases.
  + Developed New Test Cases
  + Did Ad-hoc testing on different VS and VPC Features.
  + Filed Bugs using Product Studio.

**Environment:** SDLC, STLC , Windows Server 2008, Product Studio, WTT, C#, SQL Server 2005, Microsoft Technolgies.

**Project #9:**

**Client:** **Microsoft Corporation, Fareast.** **Mar’06 –Feb’07 Project: MPG Avondale**

**Role:** **Software Development Engineer in Test (SDET).**

* Automating Test Cases using Test Architect
  + Did Automation using Test Architect Tool (UI and API Automation) using XML and C#
  + Fixing the Previously Automated Cases
  + Run Analysis
  + Synced up and Checked in the Code in Source Depot
* One-Box and Dev-Box installation
  + Worked with Ghost for Re Imaging the machines.
  + Installed Windows 2003 and XP
  + Configured Domain, Mail server , Passport manager
  + Installed SSL certificate
  + Installed SQL server 2000 and SQL Server 2005, Visual Studio 2005, Xml Parser.
  + Deployed build and test code with Octopus.
  + Enlisting the Code in the Dev-Box.
* Manual Test Pass
  + Preparing Test Plan.
  + Executing the Manual Test cases
  + Developed New Test Cases
  + Did Ad-hoc testing on different Avondale Features.
  + Did Backend Compact and Forward Compact testing on Avondale Client.
  + Filed Bugs using Product Studio.

**Environment:** SDLC, STLC, C# Windows 2003, Test Architect, Product Studio, WTT, Microsoft Technologies.

**Project #10:**

**Client:** **Microsoft Corporation, Redmond.** **Jun’05 –Mar’06 Project: VSTS .Net Client 2005**

**Role:** **Software Development Engineer in Test (SDET).**

* Automating Test Cases using MAUI
  + Automated Advanced features of Visual Studio like Snap Lines, Smart Tags, Filters, Custom Snap lines using Maui.
  + Did Run Analysis Using Maddog.
  + Fixing the previously Automated Cases.
  + Filing Bugs using Product Studio.
* Manual Execution
  + Did Manual Execution on Different Features of Visual Studio 2005
  + Participated In Bug Bash Conducted in India

**Environment:** SDLC, STLC, C#, Windows 2003, Maddog, Product Studio, Microsoft Technologies.

**Work History:**

* NARTAL Systems ~ Aug 2013 – Till date (Designation – Automation Lead)
* Deloitte Consulting (Bengaluru\US) ~ Jan 2009 – AUG 2013 (Designation – Senior Consultant)
* “MAQ Software” Hyderabad ~ Mar 2008 – Jan 2009(Designation: Software Development Engineer in Test (SDET))
* “Aztecsoft” (Formerly Disha Technologies.) Hyderabad ~ Apr 2005 – Mar 2008 Designation: Software Development Engineer – Quality Engineering (SDE-QE)
* Worked as independent software consultant –Developed projects using .Net, C# and ASP ~ Apr 2004 – APR 2005
* Academic Project Development – 1. Fast File transfer Protocol (Fast FTP) using Java, 2. Developing a School Management System using VB and MS access DB. ~ Sep 2003 – APR 2004