**SOFTWARE DEVELOPMENT TEST ENGINEER**

* Accomplished professional with over ten years of software engineering experience specializing in object oriented programming with excellent understanding of code development practices and design patterns.
* Extensive experience in the full life cycle of the software design process including requirements definition, implementation, verification & validation, and maintenance.
* Solid written and verbal communications skills.
* Excellent reputation of achievement and advancement earned through demonstrated contribution to bottom line results.

**LANGUAGES AND TECHNOLOGIES:**

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| * Programming Language: | **Java, C#, Python, SQL, Groovy, JavaScript** |
| * Development IDE: | **Eclipse, Visual Studio, WebStorm, Wing, IntelliJ, Toad, SQL Management Studio** |
| * Development Frameworks: | **Hibernate, Spring MVC, JUnit, Mockito, Grails, Django** |
| * Web Technology: | **HTML, XML, CSS, jQuery, React js and redux** |
| * Test Framework: | **Selenium WebDriver, Selenium Grid, Jbehave, Junit, TestNg** |
| * Load and Performance: | **JMeter** |
| * Web Services: | **SoapUI, Postman** |
| * Mobile Testing: | **Perfecto Mobile, Appium** |
| * Continuous Integration: | **Jenkins, TeamCity, Sauce Labs** |
| * Build Framework: | **Ant, Maven, Cake** |
| * Test Management: | **Zephyr, Enterprise Tester** |
| * Source Control: | **Git, Team Foundation Server, Subversion, PVCS Manager, AccuRev, IBM ClearCase, IBM Rational Team Concert** |
| * Defect Tracking: | **JIRA, PVCS Tracker, IBM ClearQuest** |
| * Development Methodology: | **Agile,** **Scrum, Kanban, Pair Programming, Test-Driven Development, Behavior-Driven Development** |
| * Platform: | **Windows, Linux** |

**TECHNICAL EXPERIENCE:**

**Projects:**

* **Financial Services System** – USAA(2017): React JS web application that provide insurance and investment services to United States military members.
* **Hotel Reservation System** – Hard Rock Hotel & Casino(2017): .Net web application that provide hotel staff and guests the ability to create and reserve various events.
* **Degree Planner System** – Kaplan (2016): Angular JS web application that provide school staff the ability to create degree programs and manage student transfer credits.
* **Pharmaceutical Wholesale System** – Actavis (2015): .Net web application that provide licensed pharmacists the ability to place wholesale orders for retail chain stores.
* **Airline Reservation System** – Southwest Airlines (2012): Java web application that provide customers the ability to buy airline tickets and create credit cards to earn frequent flyer points.

**EMPLOYMENT**

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| **Senior API SDET (contractor)** | **Feb. 2018 – Present** |

**ADT –** Fort Lauderdale, FL

* Work on an API response parser login page using **Reactjs** and **Redux**.
* Automate testing of **RESTFul APIs** using **Postman**.
* Perform **IOS** mobile testing.
* Log defects and enhancements using **JIRA**.
* Apply **Agile Kanban** methodologies for software development.

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| **Senior JavaScript SDET (contractor)** | **Aug. 2017 – Feb. 2018** |

**USAA –** Plano, TX

* Developed UI test automation framework for a **React JS** web application using **ECMAScript 6, Mocha, Chai** and **Selenium** **WebDriverIO**.
* Performed cross browser **regression** and **smoke** testing using **Sauce Labs**.
* Performed **Android** and **IOS** mobile testing using **perfecto mobile**.
* Logged defects and enhancements using **JIRA**.
* Applied **Agile Scrum** methodologies for software development.

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| **C# SDET (contractor)** | **Jun. 2017 – Aug. 2017** |

**Seminole Hard Rock Hotel & Casino –** Hollywood, FL

* Developed UI automation framework for an **Angular JS** web application using **C#** and **NUnit**.
* Used **Page Object Design Pattern** for creating automation framework.
* Developed UI automated **regression** and **smoke** test scripts using **Selenium** **WebDriver**.
* Created continuous integration task on **Teamcity** that will run test suites from **Team Foundation Server**.
* Logged defects and enhancements using **JIRA**.
* Applied **Agile Scrum** methodologies for software development.

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| **Java SDET** | **Sep. 2015 – Dec. 2016** |

**Kaplan Higher Education –** Fort Lauderdale, FL

* Developed UI automation framework for **AngularJS** web application using **Java**, **Maven** and **TestNg.**
* Used **Page Object Design Pattern** for creating automation framework.
* Developed UI automated regression and smoke test scripts using **Jbehave** and **Selenium** **WebDriver**.
* Configured **Teamcity** for continuous deployment of the front-end source code.
* Created continuous integration system using **Jenkins** that will run the UI **selenium** automation suites daily.
* Developed **RESTful** web services API automated test scripts using **SoapUI** and **swagger**.
* Logged defects and enhancements using **JIRA**.
* Applied **Agile Scrum** methodologies for software development.

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| **Java SDET (contractor)** | **May. 2014 – Apr. 2015** |

**Actavis Pharmaceutical –** Weston, FL

* Developed UI automation framework using **Java**, **Selenium WebDriver** and **Maven**.
* Used **Page Object Design Pattern** for creating automation framework.
* Created a **Python** based web application using **Django** that will parse the **Jenkins** view **JSON** files and display information about the Jenkins job builds such are build number and user who triggered the build.
* Performed data validation using **SQL management studio** to ensure UI matches database tables.
* Applied A**gile Kanban** methodologies for software development.

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| **Java SDET (contractor)** | **Aug. 2011 – Nov. 2012** |

**Southwest Airlines –** Dallas, TX

* Developed web-based GUI business modules using **Java**, **Spring MVC**, **JSP**, and **HTML**.
* Applied **Agile Scrum** methodologies for software development.
* Used various **Java design patterns** like Factory, Singleton, Build, and Data Access Object.
* Developed backend part of the application using **Java**, **Hibernate**, and **SQL** **stored procedures.**
* Created front and back-end unit and integration tests using **Junit** and **Mockito**.
* Created UI **regression** test suites using **Jbehave**, **Groovy**, and **Selenium WebDriver**.

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| **Python SDET** | **Sep. 2007 – Apr. 2011** |

**Boston Scientific** – St. Paul, MN

* Helped Develop **Python** library used to automate testing of Cardiac Rhythm Management system.
* Used various **design patterns** like Abstract Factory and Singleton.
* Created **Python** unit tests to validate the automation library.
* Applied **Agile Scrum** methodologies for software development.

**EDUCATION**

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| **Master of Science, Software Engineering** | **2011** |

University of Minnesota – Minneapolis, MN

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| **Bachelor of Science, Electrical Engineering and Physics** | **1999** |

Portland State University – Portland, OR

**EXTERNAL PROFILES**

Github: <https://github.com/zfharb>

LinkedIn: <https://www.linkedin.com/in/ziad-harb-0554b818>