**SOFTWARE DEVELOPMENT TEST ENGINEER**

* Accomplished professional with over 12 years of software engineering experience specializing in object oriented programming with excellent understanding of **code development** practices and **design patterns**.
* Experience in software development by applying different concepts like **OOP**, **Collections**, **Exception handling**, etc.
* Experience in automating **Android** and **iOS** **Mobile applications**using **Appium.**
* Experience in implementing the **Page Object Model (POM)** by creating element for each page object and reused objects in various scripts.
* Experience in testing **Web Services SOAP** and **REST** transactions using tools like **SOAP UI** and **Postman**.
* Performed Database/Backend testing by writing complex **SQL** Queries for **data validation and integrity.**
* Worked in **DevOps**, installing, configuring and integrating automation scripts on **Continuous Integration tools (CI/CD)**like **Jenkins** for nightly test suite execution.
* Experience of Creating, Modifying and Maintaining new and existing Automation Framework Models (**BDD/TDD**,**Keyword and Data Driven Frameworks**).

**LANGUAGES AND TECHNOLOGIES:**

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| * Programming Language: | **JavaScript , Java, SQL, C#, Python, Groovy** |
| * Development IDE: | **Eclipse, Visual Studio, WebStorm, Wing, IntelliJ, Toad, SQL Management Studio** |
| * Development Frameworks: | **Hibernate, Spring MVC, Mockito, Grails, Django** |
| * Front End: | **React, Redux, HTML, XML, CSS, jQuery** |
| * Back End: | **Node.js, Express** |
| * Test Framework: | **Selenium Web Driver & Grid, Mocha, Chai, Jbehave, Junit, TestNg** |
| * **Database:** | **MySQL, MongoDB** |
| * Load and Performance: | **Jmeter** |
| * Web Services: | **SoapUI, Postman** |
| * Mobile Testing: | **Perfecto Mobile, Appium** |
| * Continuous Integration: | **Jenkins, TeamCity, Sauce Labs** |
| * Build Framework: | **Ant, Maven** |
| * Test Management: | **Zephyr, Enterprise Tester** |
| * Source Control: | **Git, TFS, PVCS, AccuRev, ClearCase, IBM Rational Team Concert** |
| * Defect Tracking: | **JIRA, PVCS Tracker, ClearQuest** |
| * Development Methodology: | **Agile,** **Scrum, Kanban, TDD, BDD** |

**TECHNICAL EXPERIENCE:**

**Projects:**

* **Family Networking Mobile System** – Life360(2019): Android and iOS applications that allow family members and friends to share location.
* **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 Mobile SDET (contractor)** | **Nov. 2018 – Present** |

**Life360 –** Fort Lauderdale, FL

* Automate testing of **android** and **iOS** mobile application using **Appium**, **Selenium** and **Java**.
* Logged defects and enhancements using **JIRA**.
* Applied **Agile Scrum** methodologies for software development.

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

**ADT Security Services –** Fort Lauderdale, FL

* Worked on an API response parser login page using **Reactjs** and **Redux**.
* Automated testing of **RESTFul APIs** using **Postman**.
* Performed **IOS** mobile testing.
* Logged defects and enhancements using **JIRA**.
* Applied **Agile Kanban** methodologies for software development.
* Coach team members for test automation and troubleshooting.

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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.
* Coached team members for test automation and troubleshooting.

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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.
* Coached team members for test automation and troubleshooting.

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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.
* Coached team members for test automation and troubleshooting.

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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>