**Ji Zheng** Assistant Test Manger

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Donghua University, Computer Science and Technology, Bachelor, 2001 – 2005

**Personal Profile**

* 14 years of testing experience. Familiar with test project management and test procedures, including test plans, test case design, test execution and test reports.
* Rich hands-on experience in automation test frameworks development, including UI automation and interface automation. Proficient in Java Maven, TestNG, Selenium, HttpClient and Python Unittest, requests.
* Rich server-side performance testing experience and performance testing for complex business processes. Familiar with Linux, JVM and MySQL monitoring and tuning. Practical experience on Zabbix, Influxdb, Grafana building the test monitoring system.
* Proficient in a variety of performance testing tools, including LoadRunner, JMeter.
* Proficient in programming languages ​​such as JAVA and Python. Skilled in using databases such as MySQL, MongoDB, Redis.
* Practical experience in developing test tools based on frameworks such as Java SpringBoot, Python Flask, and Node.js.
* Familiar with Kubernetes, hands-on experience on building selenium cluster in Kubernetes.
* Proficient in test management tools such as Quality Center, Performance Center. Skilled in using continuous integration tools such as Jenkins, Git.
* Good at communication, coordination and teamwork. Fluent in English.

**Work Experience**

01/2010 – 09/2019

Tech Data (formerly Avnet), Assistant Test Manager

* Responsible for testing project management, including requirements analysis, development of test plans and strategies, staffing, and schedule management.
* Responsible for test execution, including functional and performance testing, problem tracking, test results and test report.
* Develop test tools, test scripts, build test monitoring, and lead test technology problem solving.
* Develop and maintain automated test frameworks to increase test automation level.

12/2006 – 12/2009

HP, test team leader

* Responsible for designing test cases, automated test script development and maintenance.
* Test execution, report test issues, and coordinate to drive resolution.
* Develop performance test scripts, perform tests, and monitor test runs. Participate in problem solving and write test reports.

07/2005 – 12/2006

Huateng Software, Test Specialist

* Participate in test projects, design test cases, perform tests, write test reports, and more.

**Projects**

Project Background: The core business system includes e-commerce website (individual), order inquiry system (Account customers), SAP ECC, CRM, warehouse logistics system, master data management system and so on. The system includes multiple subsystems for North America, Europe, Australia, and Asia Pacific.

* **2016 – 2019. Order System Functional Test**. Develop the test plan and test strategy based on the requirements. Design test cases based on functional modules, business scenarios, and business processes. Perform regression testing based on UI automation and interface automation framework. Report functional defects, track issues and coordinate resolution.
* **2015 – 2019. E-commerce web UI testing and interface testing.** Based on the UI automation and interface automation test framework, a test script library was developed. The advantages of fast execution of automated testing, together with manual exploratory testing, improve test efficiency and ensure test quality. Based on SpringBoot, an interface test server was developed to solve the interface simulation problem of parallel development at the front and back ends.
* **05/2017 – 08/2017. Automation Interface Test Framework Development.** Framework developed based on TestNG and HttpClient. Test data management use MyBatis and MySQL to solve data dependencies for complex processes. Developed Mock server with SpringBoot + SwaggerUI, combined with Jenkins + Tomcat to automatically run and display reports, allowing developers to quickly test the version.
* **01/2016 – 04/2016. UI Automation Test Platform Development.** The framework development is based on JAVA, Selenium WebDriver, TestNG, using object-oriented design, combined with Excel to manage test data. The framework is based on the test object layered design, the test case is modularized, the listener automatically generates the test log, and the Extent Report generates the report. Automation test executed in Jenkins and test report management uses Tomcat.
* **03/2013 – 06/2013. Development of automated test frameworks.** The framework is based on QTP, Quality Center, with layered modularity and data-driven design. The framework includes: test object library, test case library, environment configuration, test data management, general tool library, log, report generation and other modules.

**Performance Testing**

* **2016 – 2019. Order System Performance Test.** The test includes concurrent test, load test, and stability test. In the test, the server load, application layer, database and other layers are monitored and tuned. A Node.js-based encryption tool was developed to solve the problem of encrypted data transmission. In the concurrent test, stress test and stability test, multiple performance problems and bottlenecks in the application server and database are located and promoted.
* **2015 – 2019. E-commerce System Performance Test.** According to the business, it is designed to include capacity test, configuration test, load test, stability test, and failure recovery test. The database server is monitored and tuned for the application server during the tests.
* **01/2018 – 04/2018. Single Sign-On System Performance Test.** Test scripts based on the SAML protocol was developed to simulate the complex login process. Use Zabbix, Influxdb, and Grafana to build a monitoring system to monitor the status of the server during the test.
* **2013 – Present. Core Business System (SAP) Performance Test.** Design test scripts for complex business scenarios of SAP systems. With the load balancing of the monitoring application server, the number of online users, the number of processes, the database query time, the database lock and other indicators, performance tests under various scenarios and pressures are performed.

**Monitoring tool development**

* **01/2019 – 03/2019. SAP BW Monitoring Tool development.** Use Python Flask, Bootstrap, Ajax, Json to build monitoring and repair systems for SAP BW data warehouses. The system provides rich functionalities to fix various exceptions in data processing.