

RAFSAN H SAADI

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OBJECTIVE

Seeking opportunities as a Software Engineer where my technical skills, previous work experiences, and passion for technology can be utilized and expanded

SUMMARY

- A motivated and detail-oriented Software Engineer with a track record of proven results
- Have more than 7+ years of hands-on experience in software application design and development with extensive knowledge of test automation
- Experienced in leading automated testing effort for multiple projects that produced consistent results throughout the software development cycle
- Designed and developed various customer-facing web applications with dynamic user interfaces to showcase many different business use cases
- Proficient in developing business use case from the high-level abstract discussion and drive the execution of day to day tasks to meet customer demand
- Worked in a professional environment with various teams and stakeholders following an Agile/Scrum development process to produce a team-driven end product with top-notch user experience

SKILLS

- **Programming and Scripting Languages:** Python, Java, C++, C, Ruby, Shell Scripting
- **Web Technology:** HTML5, CSS3, JavaScript, TypeScript, Angular, PHP
- **Operating Systems:** UNIX / Linux, Windows
- **Mobile Development:** Android
- **Application Servers and Cloud Platforms:** Apache Tomcat, Salesforce, Amazon Web Services (AWS)
- **Frameworks and Tools:** Cake PHP, JUnit, Pytest, TestNG, Selenium WebDriver, Cucumber, Apache Maven
- **Databases:** MySQL, Oracle
- **APIs:** REST, Soap
- **CI/CD Tools:** Hudson/Jenkins, SVN, Git, GitHub, Docker

- **Security Tools:** Burp Suite, Nessus Scanner, Fiddler, OpenSSL, Xca
- **Tools:** JMeter, hMail, Kibana
- **Project Management and Bug Tracking:** Jira, qTest, VersionOne, Trello, and HP Quality Center
- **Development Process:** Agile/SCRUM, Test-driven development (TDD), Waterfall
- **Others:** SIMD, CUDA, AVX

EXPERIENCE

Verizon Communications Inc, San Jose – Software Programmer I

JULY 2018 – PRESENT

-- Responsible for developing automated test and framework for Verizon Netsense platform application (highly scalable cloud solution to manage high volume device nodes for Verizon IoT services such as Smart City Hub, Intelligent Video, and Traffic management)

- Setup highly scalable and easy to maintain pytest based automation test framework for End-to-End Parking and Traffic Solutions
- Design and implement RESTful API based functional automation tests using Pytest for Netsense cloud platform
- Implement business logic to handle various REST API HTTP methods and file-based inputs using python
- Restructure and refactor the existing automation test framework to make it more consistent, reliable, highly effective, easy to maintain, and follows the industry best practices
- Write GUI automated tests for Parking Solutions using Selenium WebDriver, Pytest, and Python
- Develop Python-based utility script to monitor a fleet of IoT devices in their longevity test cycle that login to each device and search for various error pattern in the log files
- Use code management and version control tool Git and GitHub to collaborate and develop new code
- Create and configure automation test job in Jenkins with AWS slave, monitoring GitHub repo, and send build notification
- Develop utility scripts using Bash for easy device configuration and debugging
- Follow Agile Methodology for the complete life cycle of the project and involve in daily standup and iteration planning meetings
- Use project management and bug tracking tools such as Jira and qTest to maintain and keep track of use case definition, product requirements, bug tracking, and automation test status tracking
- Work in conjunction with other developers and QA engineer to design and implement new features in the test framework
- Participate in UX review for Netsense UI to drive usability improvement requirements

- Work with Product Management, Field Operation, and Development teams to drive functional requirements and deliver as new features in the monthly product release cycle
- Work with multiple teams that are geographically distributed in multiple states in the USA

Axway Inc, Redwood City – Software QA Engineer III

JULY 2009 – MAY 2015

-- Responsible for developing automated test scripts and overall quality assurance of Axway Application Studio (highly customizable workflow process-based business application builder), CLM (cloud-based solutions for System Certificate Lifecycle Management), Endeavor (Onboarding system for B2B integration), FTD 1.6 (Large file transfer application with enterprise-level security), and ACM 1.0 (Community management and Onboarding cloud solution based on Salesforce platform)

- Build customer-facing test web applications that utilize the business workflow process building engine provided by Joget (Open source business workflow-based application builder)
- Developed a dynamic user interface for the workflow application using HTML, CSS, Bootstrap, AJAX, and JavaScript
- Setup and maintained a highly scalable and easily maintainable automation test framework that uses JAVA, TestNG, Selenium WebDriver, and Maven
- Implemented RESTful API based functional automation tests using JAVA
- Developed automated integration tests scripts to test various onboarding application server components in an integrated test environment where some of the components are on the cloud and some are on-premise (Application Studio, API Gateway, B2Bi Integrator, CLM, Prism, Interchange)
- Wrote automated utility scripts using Bash for easy deployment and configuration of test servers
- Developed Selenium-based automated configuration scripts to configure Salesforce Org
- Conducted Penetration test on the different components of the onboarding application pipeline for system security vulnerabilities by following OWASP testing guidelines and tools (NTOSpider, Nessus Scanner, Fiddler, and Burp Suite)
- Used source code version control technology such as SVN and Git to maintain and develop new codes in the various release cycle
- Performed performance and load testing on the Application Studio server in a cluster (2 nodes) and non-cluster (1 node) environment using Apache JMeter
- Setup Linux (SUSE, Redhat Linux, Oracle Enterprise Linux) and windows (2008 server) based test infrastructures containing MySQL and Oracle database, SMTP mail server, CA server, and Cluster environments

- Prepared various test servers on Amazon EC2 using Java, Maven, and Jenkins (for CLM Server and Client)
- Analyzed the use case definitions and user requirements and worked closely with Product Manager and Developer Architect to address the correct user expectations
- Worked as the Test Automation lead in various projects and ensure test script quality by establishing coding best practices, follow-up with the team members, and provide code review feedback while maintaining professional integrity
- Defined and maintained test plans and test cases based on customer use case analysis using HP QC and Version One
- Worked in Agile (scrum) development environment with multiple offshore counterparts

EDUCATION

San Francisco State University, San Francisco – *Computer Science B.S.*

AUGUST 2016 – MAY 2018

INTERESTS

Software Development, Test Automation, Software Security, Parallel Computers, Distributed Systems, and Cloud Computing

REFERENCES

References available upon request