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**Software Security Quality Assurance Engineer**

**SUMMARY:**

* 5+ years of experience in testing of desktop, Web and Mobile applications in Agile process.
* Strong knowledge of SQA methodologies and processes, SDLC principles.
* Analyze test specifications and performing automated (Selenium RC/WebDriver, Appium etc.) and manual (black, gray, white-box) testing.
* Proficient in test plan development, test case creation, test execution and bug tracking.
* Proficient in network analysis and system security testing, and risk management.
* Extensively knowledgeable in testing of Enterprise virtualization software - virtualization and secured containers: VMWare Fusion/Player/vSphere, Oracle VirtualBox, Parallels Desktop.

**TECHNICAL SKILLS:**

Platforms: Mac OS X, Linux, Windows, iOS, Android

Programming: Python, Java, HTML5, CSS, JavaScript, XML, SQL, Unix Shell

Test Automation: Selenium IDE/RC/WebDriver, Appium, Sikuli, Pywinauto

Web Testing Tools: Firebug, XPath, DOM Inspector, OWASP testing guide etc.

Network analysis: Wireshark, Charles Proxy, Fiddler, IP Range, Nmap

Virtualization: VMware Workstation\Fusion, VMware vSphere, Oracle VirtualBox, Parallels

Bug Tracking: HPQC, JIRA, GitHub Issues, TestLink, Bugzilla, Elementool etc.

Other: GitHub, TFS, Eclipse, WebStorm, PyCharm, Burp Suite, Aqunetix etc.

**EDUCATION:**

* 1999 BS in Economics, Chernivtsi State University, Chernivtsi, Ukraine
* 1998 Specialist in Economics and Finance, Chernivtsi State University, Chernivtsi, Ukraine

**EMPLOYMENT HISTORY:**

**October 2015 – Present Application Security Testing Consultant, SCIF, Pleasanton, CA**

Web Application Vulnerabilities Assessment and Penetration Testing following the guidelines of OWASP to uncover security vulnerabilities in the software products:

* Performing penetration tests in the area of Cross-site scripting, Broken authentication and session Management, SQL injection, Cross site request forgery, Sensitive Data Exposure, Insecure Direct Object References etc.
* Running Static and dynamic security scans with various security testing tools such as Acunetix, Burp Suite Pro, Nessus, Wireshark, Fiddler, Nmap etc.
* Identifying security vulnerabilities in application (code and functionality).
* Developing list of security test cases for each phase of application development.
* Work with application dev team to prioritize code review bug fixes, risk ranking items for fix schedule.

**May’ 2015 – August’ 2015 Software QA Engineer, RFSpot, Los Altos, CA**

Cloud based indoor map, location, navigation and search - robotic solutions for geo-spatial mapping of large facilities, real-time data capture and analysis, enhanced logistics for in store retail operations, and mobile customer experience enhancement.

* Analyzed network protocols using Wireshark tool by scanning network to capture its data.
* Executed security test cases.
* Wrote and used SQL queries for Querying the MySQL database in UNIX environment to test the application for data integrity and verified the contents of the data table.
* Tested software and hardware, testing of autonomous robotic, always connected product for mapping, navigation (SLAM - Simultaneous Localization and Mapping) and machine vision with GIS and Cloud (AWS) services.
* Developed Test Plans, Test cases, Test procedures for the Application.
* Automated test cases using Selenium WebDriver with Python.
* Play active role in weekly meetings to improve the testing efforts.

**January’ 2014 – April’ 2015 Software Security QA Engineer, Moka5, Redwood City, CA**

Moka5's core product is an enterprise solution that provides a secure corporate workspace to end-users - anytime, anywhere, on any device whether it is corporate or personally owned. SDLC is based on Agile methodology.

* Performed penetration tests of host security assessment feature by attacking software using malware to test security weaknesses, potentially gaining access to the data.
* Evaluated security of the tested system by manually auditing with vulnerability scans, reviewing application access controls with different sets of policies.
* Tested Virtual Desktop solution which works on top of VMware Hypervisor - client-server virtual container for Mac OS X, MS Windows platforms and bare metal hypervisor based on Linux. All types of testing of the complex virtual desktop management product.
* Took part in security infrastructure upgrades (e.g., firewall/VPN upgrades, intrusion detection, token-based authentication and remote management) for the company.
* Developed test documentation: Test plans, new feature specifications and test cases based on technical specifications and business requirements.
* Built robust QA lab and end-to-end tests simulating real customer environment to test application performance on different hardware setups, VoIP performance, network connectivity, security, software and hardware compatibility.
* Led QA efforts in mobile (iOS and Android) FileBrowser native app testing processes (manual and automation functional, UI testing using Appium (Java, Python)).
* Tested web-based console - Management Server. Performed Moka5 Desktop Administrator role to perform day-to-day operations, such as releasing and targeting images, managing users and OUs, changing policies, viewing reports and adjusting configurations.
* Identified, prioritized and submitted the bug reports and verify bug fixes in bug tracking system; triaging of existing reports for documenting known issues and providing workarounds.
* Actively participated in daily team meetings to discuss testing process and current issues.

**June’ 2013 – December’ 2013 Software QA Engineer, Los Altos Software Testing House, Los Altos, CA**

1. **Bid.com\* Project (\*- name changed):**

* Tested an e-commerce social networking application.
* Reviewed and provide internal audit for technical documentation and performed exploratory testing to familiarize with the main components: store management, order tracking, chat, blog, payment options.
* Provide the subject matter expertise to the QA Manager during the test plan development.
* Designed and executed test cases for instant messaging, blog and chat modules.
* Performed Ad-hoc, Usability, Functionality, Integration and System, Browser/Platform Compatibility, and Regression Testing.
* Built virtual platforms using VMware Workstation to test the application in multiple environments.
* Developed automated test suites with Selenium WebDriver using Python.
* Reported bugs using Bugzilla, evaluated bug status, validated fixed bugs.
* As a Team Lead coordinated testing activities within a team.

2. **Memocast.com Project:**

* Tested a web-based video streaming application, similar to YouTube but with commercial content and paid subscription.
* Performed exploratory testing - navigated through the website and experienced misbehaviors.
* With Selenium WebDriver using Python automated major functional test cases.
* Security testing of Vulnerable Components according to OWASP top 10 web application security risks.
* Analyzed failures, made them reproducible, reported bugs via Bugzilla.
* Actively participated in regular QA team meetings to discuss testing process and suggested improvements to the application design and feature.

**February’ 2012 – December’ 2013 Software tester, Applause (uTest.com), Ukraine, USA**

* Tested various desktop, web and mobile applications for numerous companies ranging from startups to global enterprises, created for the different goals, such as Media & Entertainment, E-Commerce, Biotech & Pharma, Telecom & Wireless, Airlines & Hotels, Advertising & Marketing, etc.
* Analyzed application’s business requirements, technical specification and installation guidelines.
* Designed and executed test cases.
* Performed usability, UI, functionality and regression testing of the new builds.
* Performed browser and platform compatibility testing including different kinds of game consoles, set-top boxes, smart TV’s.

**March’ 2010 – November’ 2012 Sr. Risk Analyst, JSC The State Export-Import Bank of Ukraine, Chernivtsi, Ukraine**

* Tested, deployed, and launched security system for sensitive data processing.
* Led test activity for new internal software project: Credit-Deposit Information System.
* Verification of business-critical information security activities for the bank involving encryption of customer data to ensure compliance with change in laws.
* Executed test cases and performed UI, functional and regression testing of the new builds of stand-alone CDIS bank application.
* Wrote summary reports, reported bugs, evaluated bug status and validated fixed bugs.

**October’ 2006 – March’ 2010 Sr. Credit Analyst, JSC The State Export-Import Bank of Ukraine, Chernivtsi, Ukraine**

* Responsible to execute testing for consumer loan reviews, detect, quantify and report issues as needed as part of the reviews.
* Identifying risks associated with potential issues.
* Assisted in the development of the loan review scope and testing approach.
* Draft reporting documents and assisting in preparation of final loan review reports.
* Evaluating the completeness of management’s corrective action plans.
* Performed ad-hoc projects as assigned to assist loan review in analyzing risk and control environment.
* Analyzing key trends on the consumer lending portfolios and providing assessment of the asset quality of the current book.

**1999 – 2006 Credit Analyst, JSC Raiffeisen Bank Aval, Chernivtsi, Ukraine**

* Performed credit and financial analysis to assess risks, analyzed financial statements, and evaluated credit worthiness.
* Developed numerous forecasting models to examine company’s short- and long-term growth based on key indicators, sales projections, cash flow analysis, assets, liabilities, and risks.
* Aggregated data and generated revenue reports for senior management.
* Created supporting document with illustrations for presentations to colleagues and board.