ARKADY DEMIN | ademin@usa.com

SUMMARY

Experienced Software Quality Engineer with extensive scope of technical and analytical skills. Proficient in test development and test automation. Highly skilled in test environment configuration and integration of test infrastructure.

EXPERIENCE

Senior Lead QA Consultant at Qualitest 2019 - 2025
As a Lead Software Test engineer:

- Planned, designed, and executed functional tests for mobile and web-based application projects.
- Developed protocol level scripts to simulate multi-user interactions with application servers.
- Created project plans and tasks to verify whether software performance meets expectations.
- Designed automated regression test scripts for web browser and desktop interfaces.
- Analyzed performance metrics of stressed web servers, application servers and databases.
- Configured test execution pipelines for Continuous Integration / Continuous Development.
- Created and configured cloud-based virtual machines as load generators and test automation clients.

Principal Quality Engineer at SS&C Eze 2006 - 2019
As a Principal QA Engineer at the financial technology firm:

- Provided automation guidance for verification and validation of a global, cross-asset trading platform.
- Implemented quality assurance practices at each stage of the Software Development Life Cycle.
- Authored test automation scripts for the replication of user workflows and real-life trading scenarios.
- Created test automation framework mapping manual test steps with automated test scripts.
- Accelerated regression test execution by configuring automation infrastructure as part of the build process.
- Reported automated test results and statistics to the test case management software via API.
- Enhanced formulation of use cases by interviewing customer support and product team members.
- Identified potential software failures by collecting server logs and examining database transactions.
- Designed and developed test strategy and test cases for the distributed client-server applications.
- Improved test cases accuracy by populating test databases with modified production data.
- Augmented validity of tests by developing simulations of trading scenarios and financial exchange responses.
- Installed, configured, updated and automated tests for the web-based client on-boarding application.
- Collected, analyzed and presented results of the performance tests to the financial stake holders.
- Setup workstations and configured network connection for ongoing performance monitoring.
- Developed and customized software installation packages and provided client support for software installation.
- Built, configured and maintained QA environment for multi-server distributed applications.
- Uploaded and maintained test environment configuration on the AWS cloud.
- Assisted client support team in resolving production issues, helped to convert Salesforce items to JIRA.
- Researched, evaluated and recommended testing tools for the QA team.
- Developed test utilities and unit test applications for application programming interface verification.

Senior QA Analyst at Olenick & Associates 2003 - 2006
As a Senior QA Analyst consultant at software quality engineering firm:
- Increased consistency of regression tests by updating test automation framework for cellular phone provider.
- Organized and prioritized automated and manual test cases for phone billing and accounting applications.
- Built a test database infrastructure to run scheduled multi-day test script unattended.
- Developed GUI automation framework for bond valuation application for major investment company.
- Facilitated portability and convertibility of automation scripts by converting them to XML format.
- Added database support for the file-based collection of automated tests for quick retrieval and execution.
- Developed multi-user simulation scripts for Smart Electric switches software used by Exelon Corporation.
- Modeled multiple user interactions for Chicago Mercantile Exchange Delivery Department Website.
- Researched and developed scenarios for most frequent and most critical user interaction workflows.
- Improved stability and availability of Web applications by developing and executing performance scripts.
- Provided detailed and graphical Web application response time metrics reports.

QA Analyst at divine (marchFirst) 2000 - 2003
As a QA Engineer at the interactive web services and branding company:
- Conducted web interface test automation.
- Measured performance and scalability of eCommerce web applications.
- Setup and supported defect tracking database.

QA Analyst at InterFace Software, 1999 - 2000
As a QA Analyst for a Legal Software development company:
- Provided user acceptance testing for Customer Relationship Management application.
- Developed and executed Windows GUI verification automation scripts.
- Maintained and customized company-wide defect tracking database.
- Wrote test plans and test cases based on software requirements specifications.

SKILLS

Quality Assurance, SDLC, Requirements refinement, Test Case writing, Defect Tracking.
Operating systems: Microsoft Windows, Unix, Linux, Mac OS.
Test Automation Software: Unified Functional Test, TestComplete, Selenium, TestNG, Cucumber evaluated.
Performance test tools: JMeter, LoadRunner.
Computer Languages: C#, Java, Transact-SQL, PHP, javaScript, PowerShell, Python, HTML, XML.
Working knowledge of web development standards and web servers (IIS with .NET MVC, Apache/PHP).
Experience in implementation of encryption and secure communication.
Other Software: VeriFix, VMWare, AWS, Bloomberg Terminal, Wix Toolset, TestRail, Informatica.
DevOps Packages: Atlassian tools, Octopus, Jenkins.

EDUCATION

First Medical School of Saint Petersburg, Russia 1990
Health Care, Biomedical Engineering.