

ARKADY DEMIN	ademin@usa.com https://www.arkadydemin.com
SUMMARY	<p>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.</p>
EXPERIENCE	<p>Senior Lead QA Consultant at Qualitest 2019 - 2025</p> <p>As a Lead Software Test engineer:</p> <ul style="list-style-type: none"> o Planned, designed, and executed functional tests for mobile and web-based application projects. o Developed protocol level scripts to simulate multi-user interactions with application servers. o Created project plans and tasks to verify whether software performance meets expectations. o Designed automated regression test scripts for web browser and desktop interfaces. o Analyzed performance metrics of stressed web servers, application servers and databases. o Configured test execution pipelines for Continuous Integration / Continuous Development. o Created and configured cloud-based virtual machines as load generators and test automation clients. <p>Principal Quality Engineer at SS&C Eze 2006 - 2019</p> <p>As a Principal QA Engineer at the financial technology firm:</p> <ul style="list-style-type: none"> o Provided automation guidance for verification and validation of a global, cross-asset trading platform. o Implemented quality assurance practices at each stage of the Software Development Life Cycle. o Authored test automation scripts for the replication of user workflows and real-life trading scenarios. o Created test automation framework mapping manual test steps with automated test scripts. o Accelerated regression test execution by configuring automation infrastructure as part of the build process. o Reported automated test results and statistics to the test case management software via API. o Enhanced formulation of use cases by interviewing customer support and product team members. o Identified potential software failures by collecting server logs and examining database transactions. o Designed and developed test strategy and test cases for the distributed client-server applications. o Improved test cases accuracy by populating test databases with modified production data. o Augmented validity of tests by developing simulations of trading scenarios and financial exchange responses. o Installed, configured, updated and automated tests for the web-based client on-boarding application. o Collected, analyzed and presented results of the performance tests to the financial stake holders. o Setup workstations and configured network connection for ongoing performance monitoring. o Developed and customized software installation packages and provided client support for software installation. o Built, configured and maintained QA environment for multi-server distributed applications. o Uploaded and maintained test environment configuration on the AWS cloud. o Assisted client support team in resolving production issues, helped to convert Salesforce items to JIRA. o Researched, evaluated and recommended testing tools for the QA team. o 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 actively used, Jenkins evaluated.

EDUCATION

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