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Igor Emelyanov
Always on Automation :) | Also helping people to

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SUMMARY OF QUALIFICATIONS

- Over 10 years of professional experience in testing, quality assurance, and quality control.
- Strong understanding of Software Development Life Cycle and software testing methodologies.
- Proficient in developing test plans, defining test cases, documenting test results, and generating defect reports.
- Proficient in business and functional requirements analysis and definition.
- Manual and Automation testing, analyzing test results, and providing status reports reporting directly to the QA manager.
- Analyzing issues and creating precise and comprehensive defect reports.
- Experience in testing Web-based and Client-server applications.
- Test automation Tools: Java, Python, C#, JavaScript, Selenium Web-Drive, Playwright, JUnit, NUnit, Jenkins, GitHub Actions, SoapUI, Postman, GitHub, Assure API libraries, Spring libraries, Jira, JMeter, K6 & Grafana, Appium, Sauce Labs, Quality Centre, Mercury Quick Test Professional, Load Runner.
- iOS, Android – Emulators, Automation Testing Framework.
- Component functionality integration, security, system, and regression testing.
- UI/UX Analysis, Evaluation, and Testing.
- Participated in development TCs and black box testing of software, algorithms & interfaces for Windows applications (C# .net, ASP.net, Java, Python, JavaScript)
- Windows Applications administrate, Data Bases structure (MSSQL, MySQL, Oracle), ERP Automated Control Systems of Enterprise to customer requirements.
- System administration – MS Project server, Windows – Citrix Meta Frame XP server, Windows – MSQL server, Linux RedHat – squid mail-proxy-pix, Linux Asp - controller of the domain, DNS.
- Salesforce Permission Sets, Configuration and developing Automation framework, Performance testing framework.
- Web - design, development, implementation, and testing of the corporate website (Linux RedHat, Max iOS, Samba, Apache).
- Business process modeling – All Fusion Modelling Suite (Case - tools BP Win, ER Win), Microsoft Project.
- Experience in developing and incorporating Expert Reactive Intellectual AI systems and developing Custom LLM for specific areas of electrical grid Dispatch Control Centers decision-making daily routines. Co-pilot, Adviser, Decision helper, Training/Testing system.

TRANSFERABLE SKILLS

Exceptional workplace skills
Excellent personal communication skills.

RELATED EXPERIENCE

Automation Engineer   Oct.2021 –
Provincial Health Service Agency (PHSA), Vancouver, BC.
Provincial Health Services Authority (www.phsa.ca)

Everything is in the cloud-based Salesforce platform with Admin and Client Portal-faced sites.

- Incorporating AI as a Co-pilot for implementing Automation scenarios."Less is more" code concept.

- Developing and Incorporating Playwright JavaScript in GitHub Actions CI/CD DevOps pipeline.

- Utilizing Playwright scripts for Back-End (API) and Front-End (Browser) Performance Testing with Visualizing in the Grafana (k6 extension) dashboard.

- Visualizing/Sharing Performance results in the Grafana & k6 dashboards.

- Migrating from Python to Java framework.

- Build the Java-Maven framework from the ground for Vaccines, Register Patients, Practitioners, PHR, and PSS projects.

- Develop Automation Sanity, Smoke, Integration, and Regression Tests,

- Embedding Automation runs Sanity/Smoke Tests in the CI/CD pipeline.

- Create a robust Automation Regression run system with Jenkins and Allure/TestRail reporting for Product holders.

- Helping with Goals/Objectives, Strategy, and estimate the effectiveness of Automation.

- Helping to build a strong Automation Team and Manual with adequate and effective communication channels across Functional, DevOps, QA teams, and different company Projects QA Teams.

- Daily routine to determine the workflow candidate for automation and design high-level, BDD, and E2E scenarios for Sanity, Smoke, and Regression tests for major/critical functionality.

Implement web-Mobile Appium, and Sauce Labs mobile emulators to Automate e2e Smoke scenarios.

Keep the meaningful scope of Automation coverage manual e2e scenarios.

Keep the balance between Selenium and API, Unit Test to minimize testing effort for manual people and give them more time to do more exploratory testing and develop a new exploratory scenario.

Come up with Performance, load, stress-testing strategies, and scenarios to implement with SoapUI, JMeter, Postman, Fiddler, and Lighthouse Google, k6, Grafana. Holistic Performance Testing: Back-End (API) and Front-End (Browsing).

Come up with and run Run Salesforce Object Query Language (SOQL) queries on QA env for API request implementations using Postman and Assure API.

Administrate, support, export to, and run automated Unit Tests and Selenium scenarios from CI/CD Jenkins, GitHub Actions pipelines.

Working closely with the DevOps team for deployment and patching on the prod GitHub Actions-Jenkins delivery pipelines.

Creating and managing GitHub corporative repositories to store the Automation code and run in Jenkins.

Interviewing, helping, training, and influencing automation and manual people. Usually 5-10 people.

Technologies & Tools:
    Automation framework:
    IntelliJ Java, Python, jUnit, TestNG, Maven- Spring
    SELENIUM Libraries, Web Drive, Assure API Libraries,
    Appium, Sauce Labs, Xcode, Android Studio/Automator - mobile test automation framework,
    Version source control management tool – GitHub
    Continuous integration system CI/CD - GitHub Actions, JENKINS pipeline.
    Performance tool:
    JMeter, Jenkins, Postman, Soap API, K6, Grafana dashboard visualizer.
    API – Postman, Fiddler web sniffing.
    Platform and Tools:
    Salesforce, MySQL, JIRA, TestRail, Allure Reports.
    AI tools: *ChatGPT, ZeroStep incorporated AI in Playwright.*

Automation Engineer   **Oct.2018 – Oct.2021**
eBay Motors, Vancouver, BC.

Virtual Auto Parts Store.

Develop and implement automation test scenarios with Selenium WebDriver.

Create and update automation test scenarios for sanity and regression tests of Web applications - Java.

Reviewing and Running Unit Test scenarios.

Working closely with the Java and Python Developers, and DevOps team for deployment and patching on prod (AWC, EC2).

Technologies & Tools:
    Automation framework:
    Java, Python, JUnit, TestNG, Spring
    SELENIUM, WebDriver,
    DDT – Selenium Java scripts,
    Appium - mobile test automation framework,
    Version source control management tool – SVN, GIT,
    Continuous integration system - JENKINS.
    Performance tool:
    AWS,
    JMeter, SUMO Logic, AppDynamics, Ansible Tower,
    API – Postman, Fiddler web sniffing.
    Platform and Tools:
    MySQL, JIRA, TestRail.

Automation/Performance Test Engineer   **June.2016 – March.2018**
Jostle, Vancouver, BC
Virtual corporative workplace platform.

Design high-level test scenarios for test plans of intranet Rich-Client and Mobile Web sites.

Create smoke, integration, regression, acceptance, and exploratory test sets.

Develop and implement automation test scenarios with Selenium WebDriver.

Create and update automation test scenarios for sanity and regression tests of Web applications - Java, Python, Appium.

Reviewing and Running Unit Test scenarios.

CSS testing.

API and authentication Access Tokens (OAuth) testing and web sniffing (Postman, Fiddler).

Store source code in SVN, and Git server in Jira projects.

Administrate, support, export to, and run automated Unit Tests and Spec Unit Tests and Selenium scenarios from Continuous integration solution Jenkins.

Run MySQL queries on QA env.

Create manual test cases and defects in the JIRA Manager Tracking System.

Test Performance, Stress, and Load Testing with JMeter, Ansible Tower, and SUMO Logic.

Working closely with the DevOps team for deployment and patching on prod (AWC, EC2).

Leading 1-3 intermediate testers.

Technologies & Tools:
 Automation framework:
 Java, Python, jUnit, TestNG, Spring
 SELENIUM, WebDriver,
 DDT – Selenium Java scripts,
 Appium, Sauce Labs - mobile test automation framework,
 Version source control management tool – SVN, GIT,
 Continuous integration system - JENKINS.
 Performance tool:
 AWS,
 JMeter, SUMO Logic, AppDynamics, Ansible Tower,
 API – Postman, Fiddler web sniffing.
 Platform and Tools:
 MySQL, JIRA, TestRail.

Automation/Performance Test Engineer   October.2014 – May.2016
AFT (Asian Fusion Technology) Fly Cow Games, Vancouver, BC

Virtual Casino Industry

Design business-level scenarios for test plan of virtual casino gaming Admin and Member Web sites.

Create smoke, integration, regression, acceptance, and exploratory test sets.

Develop and implement automation test scenarios in Selenium tests.

Create and update automation test scenarios for regression tests of Web applications.

Reviewing and Running Unit Test scenarios.

API and authentication Access Tokens (OAuth) testing and web sniffing.

Store source code in Git server in .Net projects.

Administrate, support, export to, and run automated Unit Tests and Spec Unit Tests and Selenium scenarios from automated integration solution TeamCity.

Run SQL (LINQ) queries on QA.

Create manual test cases and defects in the JIRA Manager Tracking System.

Test Performing with JMeter.

Leading 5 remote testers.

Technologies & Tools:
    Automation framework:
    VISUAL Studio 2015 .Net with C#+ReSharper,
    SELENIUM, WebDriver,
    BDD – Spec Flow, TDD - Unit Tests, NUnit,
    Version source control management tool – GIT,
    Continuous integration tool - TEAMCITY.
    Performance tool:
    JMeter, HarsStorage.
    API, OAuth2.0 – Postman, Rest Client (Jason), Fiddler web sniffing.
    Platform and Tools:
    MSSQL, JIRA.

Performance/Automation Engineer   **May.2013 – July.2014**
Payphone, Vancouver, BC
https://www.paybyphone.com/

Responsible for testing and building testing environments for different Developers' teams and for different projects in AGILE/SCRUM environment.

Design business-level scenarios for test plan of pay parking Web/Mobile and API/Rests applications.

Create smoke, regression, acceptance, and exploratory test sets.

Building automation framework using the C#.net platform.

Develop and implement automation test scenarios in Unit Test code and Selenium tests.

Create and update automation test scenarios for regression tests of Web and Mobile Web UI parking applications.

Develop smoke, acceptance, and exploratory test scenarios for SMS parking Web UI and API applications.

Develop, run, and update Unit Test scenarios.

Store source code in Git server in .Net projects.

Administrate, support, export to and run automated Unit Tests and Spec Flow & Selenium scenarios from automated integration solution TeamCity.

Deploying new builds and releases in QA environments using Octopus.

Run and test Select, Join, and Set Oracle PL/SQL queries on QA and Prod environments.

Create manual test cases and defects in the JIRA Manager Tracking System.

Responsible for Performance testing (Load Testing, Stress Testing, Memory Leaks, and bottlenecks) in JMeter.

Installing iOS, and Android mobile device emulators for Mac and Windows, developing and running Unit Tests through Xcode and Eclipse.

Mentored three colleagues in developing automation Unit and Selenium Tests.

Technologies & Tools:
 *** Automation framework:***
 BDD – Spec Flow, VISUAL Studio 2012 .Net with C#, SELENIUM IDE/WebDriver, TDD – Nunit & ReSharper, GIT, TEAMCITY, OCTOPUS.
 *** Platform and Tools:***
 ORACLE SQL Developer PL/SQL, JIRA, API/REST Client,
 JMeter Load Testing + ZABBIX, AGILE/SCRUM/KANBAN.
 *** Mobile Framework Test environment:***
 iOS, Android – emulators, Xcode, Eclipse (or Jet Brain SDK IntelliJ), Appium.

Contract Web developer – part-time   at the same time TELUS position

Web developer and designer for different start-up business clients.
Last project for alteration store: www.EUROSTITCH.ca

Design and develop web pages, counters, Testimonials.

Create tables and request queries.

Technologies & Tools:
Visual Studio 2010 ASP.Net with C#,
MSSQLServer2008R2,
JavaScript,
AJAX.

QA Engineer   **May.2012 – March.2013**
TELUS Health Solutions (formerly Wolf Medical), Surrey, BC

Developing manual test cases for Web-based and Client-Server Applications for helping Family doctors create and store drag prescriptions.

Develop test plans (smoke, functional, regression, confirming test sets, validation) for the Electronic Medical Records (EMR) Provincial system in Alberta.

Support framework for developing automation test cases.

Run and test SQL queries.

Create test scenarios in defect Tracking System Rally.

Write Unit Test scenarios.

Develop and execute automation C# test scripts using free testing tool Selenium Web-Drive and Visual Studio C#.

Technologies & Tools:
Visual Studio 2010 sASP.Net with C#,
MSSQL,
Rally,
NUnit.

Automation Engineer   **Jan.2012 – May.2012**
Developer's team in Testing
Darelle, Vancouver, BC

Develop test plan (functional, regression, validation) for start-up web-based e-commerce project.

Design manual test cases.

Develop automation scripts through the Selenium WebDriver automation tool.

Executing manual and Python automation test scripts on Virtual Machines.

Technologies & Tools:
Python,
SELENIUM + WebDriver,
Oracle VirtualBox (Ubuntu virtual machine for Windows),
Ubuntu (UNIX clone),
Django,
PostgreSQL9.1,
pgAdminIII,
Mercurial TortoiseHg (source code manager).

QA Automation Engineer   Sept.2011 – Dec.2011
Automation Framework Team
MAXIMUS BC Health Ministry, Victoria, BC

https://www.maximuscanada.ca/health

QA contractor for BC Health Ministry Insurance (The Medical Services Plan) and BC Pharma Care.

- Develop test plans (functional, regression, validation), define test cases, document test results, and generate defect reports;

- Develop automation framework for testing provincial pharmaceutical transactions: the functionality to retrieve the electronic prescriptions from Pharma Net and then record the details of the dispense transactions to the database.

- Design, create, and maintain Silk Test automation test cases using Java/Eclipse.

- Run and test PL/SQL queries to the MS SQL server.

- Writing and modifying, running SQL statements sets transactions.

- Develop and execute automated tests using the Automated Framework.

- Develop and modify automation Java test scripts through Framework Test Editor.

Technologies & Tools:
Borland SCTM,
Silk Performer,
JAVA-Eclipse,
Oracle SQL Developer,

Borland StarTeam*,*
Caliber*.*

QA Technical Consultant   **Nov.2010 – Aug.2011**
LEDCOR-LTS, Coquitlam, BC

TELUS contractor for Optic-TV projects.

Develop test plans, define test cases, document test results, and generate defect reports.

Create automation scenarios for functional, smoke, and regression testing,

Develop business and functional requirements analysis and definition.

Set up test environment (QC, QTP, Load Runner), create test data of organization and structure to assist team testing.
Provide consultations and troubleshoot software and hardware problems for clients.

Load Testing and Stress Testing to look for memory leaks and bottlenecks.

Technologies & Tools:
Quality Centre (Mercury),
QTP,
Load Runner.

Software QA Analyst   **Dec.2009 – Nov.2010**
Only Best Rated Inc., Mississauga, ON,
www.onlybestrated.com

Web-based testing of the e-commerce application that sells DVDs, receivers, adapters, multimedia centers, etc.

Tested presentation tier (graphic, font, resolution, defaults) business tier (calculations, performance, transactions).

Tested Data Tier (database operations, backups).

Worked closely with business analysts and developers to elicit and manage software requirements.

Used Quality Centre to capture requirements, create and execute tests and defect management.

Performed Compatibility and configuration testing (connection speed, browser, hardware/software).

Conducted integration, system, regression, usability security, and recovery testing.

Performed backend testing by extensively using SQL queries to verify database operations.

Participation in user acceptance testing. identified software problems and verified their corrections.

Technologies & Tools:

Quality Centre (Mercury),
QTP,
J2EE,
Unix,
Oracle10j – running PL/SQL scenarios.

QA Technical Consultant   **Aug.2009 – Dec.2009**
TVSI TechView Systems Inc., Vancouver, BC

Private small-business IT Education oriented Company.

Develop test plans, define test cases, document test results, and generate defect reports.

Develop business and functional requirements analysis and definition.

Set up test environment (*QC, QTP, Load Runner*), create test data of organization and structure to assist team testing.

Provide consultations and troubleshoot software and hardware problems for clients.

Technologies & Tools:

Quality Centre (Mercury),
QTP,
Load Runner.

QA Technical Consultant   **2007 - 2009**
Always On Automation Inc., New Westminster, BC

Own company used to work with different business customers under contracts and incorporated.

Building test environment **(*QC, QTP, Load Runner*),** including installing and servers-workstations configurations;

Set up test environment, create test data of organization and structure to assist team testing.

Working with software developers to identify and resolve issues.

Computer system troubleshooting, issue analysis, and configuration.

Software compatibility and localization, testing, and root cause analysis.

Network issues, troubleshooting, and resolution.

Web-server deployment and DNS configuration.

Technologies & Tools:
Mercury Quality Center – planning test, analyzing test results.
QTP - functional testing Webserver applications.
Load Runner – performing automation testing.
Microsoft Visual Studio 2008 ASP.Net with C#.

QA Analyst/System Engineer   2005 – 2007
Centre of Financial Technology (CFT), Russia

Developing IT solutions for various financial institutions.
https://www.cft.ru

Projects:
Central Bank of Russia – SBERBANK
 http://www.sberbank.ru/en/ (20,000+ Branches)*.*

Designed, implemented, and tested new computerized banking systems for this leading IT corporation providing banking system consultation services to the national bank and commercial banks.

Testing includes functional testing *(QTP)* as well as OS-browser compatibility testing and localization testing, including both Windows and Linux operating systems.

Testing of ERP banking system desktop products including over 25 versions over 5 platforms *(Load Runner)*.

Implemented Automation of Test Data Validation Mockup.

Provided ongoing customer technical support, facilitated user workshops, and developed customized User Manuals to client needs.

Communicated closely with the Software Department to analyze and drive issues and resolutions.

Technologies & Tools:
Microsoft Visual Studio 2007,
ASP.Net with C#,

Oracle,
QTP,
Load Runner.

QA Team Lead   **2005 – 2006**
GIANTS Superstore, Russia

> Large Retail chain.

Projects:
> *Implementation of Retail System consistency with business and functional*
> *requirements of Commercial Company.*
http://www.sibgigant.ru/

> Led a 7-member team in adapting a comprehensive *Inventory Management*
> *System* with scanners, database, and Windows applications for a
> successful superstore chain (Visual Basic, Oracle; 6 months);

> Worked with 5 departments (Finance, Accounting, Logistics, IT Support,
> and Customer Service) to determine and clarify staff needs and create
> relevant, succinct data forms.

> Worked with engineers (construction and communications) in installing
> hardware & software systems for all 10 superstores.

Technologies & Tools:
> *Microsoft SQL,*
> *Microsoft QA Tools.*

Automation QA Team Lead   **2002 – 2005**
Siberia Hydro (Production & Maintenance Enterprise), Russia

http://www.nske.ru/en/

Projects:
Implementation of Automated Control Systems of Enterprise (ERP system) «BEST-
PRO» system consistency with business and functional requirements of Production
Company (50,000 user's environment).

> Promoted to IT Department Leader responsible for a 6-member IT team at
> Production & Maintenance Enterprise, the national subsidiary of Siberia
> Hydro exclusively serving all its maintenance and production needs.

> Created an excellent QA team by accurately recognizing the 'ability to learn'
> in hiring 3 excellent IT professionals out of 400 applicants.

Led in-depth research, customized, and evaluated a new Global Enterprise Windows system with a unifying Oracle database application to simplify and streamline processes.

Collected information from 800+ employees to understand their needs to lace together an easy-to-read database that unifies diverse roles.

Worked with employees and 5 department heads to efficiently troubleshoot, negotiate, and resolve solutions.

Provided user support to 800+ employees, 1000+ stations, and 20 servers (Linux, Citrix, Windows 2000 SRV, with double backup system);

Led team in writing 300,000+ lines in C++ and 200,000+ SQL requests.

Technologies:
Mercury Quality Center – planning test, analyzing test results.
QTP - functional testing Webserver applications.
Load Runner – performing automation testing.
Microsoft Visual Studio 2003 C#.Net,
CITRIX.

System Analyst   **2001 – 2002**
Siberian Tin Plant, Russia

Requirements, analysis, and planning.

Worked with 5 electricians and IT specialists in installing a new *Power-Supply Control System* for high-voltage Substation serving tin production (Visual Basic, C++, MS SQL; 6 months).

Worked with a variety of hardware (electronic/mechanical) including transmission cables, transformers, switchers, routers, motors, diagnostic sensors, and fuse relay protection.

Advocate/Consultant/C# Developer   **1997 - 2000**
Novosibirsk State Technical University, Russia

Implementation of AI Expert system as Decision maker/supporter/training/adviser/Co-pilot software product in a Dispatch Operative Monitor Centre of electrical networks.

Formalizing logic of Dispatch operator making decisions in comprehensive situations in electrical distributive/transmission/supply networks.

Develop Custom Language Models (LLMs) for the specific areas of the Dispatching/Monitor activities in Electrical Networks Systems.

Worked with the 5-member team in developing, testing, and deployment processes for the Department of "Expert-Intellectual Automation Control Systems" as research for the university's Automated Electrical Power Systems Department.

Communicated closely with developers with the root causes analysis discussion.

Worked closely with area experts functional dispatch center team, development, DevOps, and stakeholders.

EDUCATION

Siberian State University (NSTU), Automated Information Systems.

CERTIFICATES

PhD in developing AI Intellectual Expert Co-pilot/Training/Adviser systems and Custom LLMs in electro-network daily Dispatch Centre Control room routines.

.NET Associate Certificate Courses, BCIT
Windows Application Development in C#.NET
Advanced Windows Application Development in .NET
ASP.Net with C#

Account of Commercial Enterprise Certificate.

Microsoft Approved Course 2124 Programming with C#: Certificate of Achievement.

Implementing Microsoft Project 2002: Certificate of Achievement.