



Andriy Velychko

Test Automation | Software QA Engineer

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Summary of Qualifications

Test Automation | Software QA Engineer with over three years of experience in testing web, mobile, desktop applications, hardware, firmware manually and through automation. Main proficiency in test automation - C# and Python. Also able to use other programming languages if required. Can perform both automation and non-automation (QA) activities. Has experience working on up to 15 different projects, different teams, and technical stacks. Can work in any software development methodology. Has experience: Scrum, Kanban. Also has some developer and devops skills (CI/CD). I am proficient in professional English and regularly participate in meetings. Also, can speak Ukrainian, Spanish, Russian. Studying at the Lviv Polytechnic University, interested in science, technologies, AI/ML, and software development, also have several pet projects. I am responsible, a fast learner, and a team player, deliver the results in the agreed time.

Skills

Programming Languages/Technologies

- C# | .NET 8 SDK
- Python
- JavaScript/TypeScript
- SQL
- Java

RDBMS

- MySQL
- T-SQL (MSSQL)
- PostgreSQL
- MS Access
- MongoDB

Methodologies

- Scrum
- Kanban

Operating Systems

- Windows
- Linux/Ubuntu

Frameworks

- TestNG/Pytest
- JUnit/Nunit
- SpecFlow
- UIAutomation/TestStack.White/FlaUI
- Robot Framework/Appium
- Karate
- ExtentReports
- RestSharp
- SqlKata
- Microsoft.Data.SqlClient
- DotNetEnv
- HtmlAgilityPack
- NJsonSchema
- Selenium/Playwright/Cypress
- BrowserLibrary
- gRPC Libraries

Application/Web Servers

- Node.js
- Docker
- Azure DevOps
- AWS S3

	Embedded / IoT Tools: ▪ BLE (GAP/GATT) ▪ MQTT ▪ MQTT Explorer ▪ AWS IoT Core ▪ nRF Connect ▪ LightBlue ▪ PlatformIO ▪ Minicom ▪ Reqable ▪ PCAPdroid ▪ Proxyman ▪ Terminator	Development Tools ▪ VS Code ▪ PyCharm ▪ GIT/GitHub ▪ IntelliJ IDEA ▪ Eclipse ▪ Visual Studio Testing Tools ▪ Postman/Fiddler/Swagger ▪ Confluence/Asana/JIRA/TFS 2011 ▪ Jenkins ▪ TestRail ▪ BugMagnet ▪ Jmeter ▪ TestFlight/ Firebase App Distribution ▪ Wireshark ▪ Grafana
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Experience / IT related educational practice	
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INDEEMA	Drone Detection App
Project Description:	Mobile-based (Android/iOS) drone detection platform developed to support early drone detection, classification, and masking of fixed ground objects using a mobile phone camera as the primary sensor. The project includes a data collection app with local and Azure cloud storage, a visualization app that processes camera frames together with IMU and location data, and a peer-to-peer communication mode for detector/receiver device interaction. The solution is designed for multiple devices, role-based operation, configurable camera and metadata settings, and support for detection and classification workflows across different operating modes.
Customer:	Danish company
Involvement Duration:	01/2026 – Present
Project Role:	Software QA Engineer
Responsibilities:	• QA Processes Management • Functional, regression, exploratory, and cross-platform testing of Android/iOS mobile app features • Verification of camera-based data collection, metadata capture, local storage, and Azure cloud sync workflows (ML testing) • Testing of role-based UI flows, configuration settings, and different operating modes • Validation of device communication features, including peer-to-peer data exchange and connection stability • Checking correctness of uploaded/processed data, logs, and app behavior under different network conditions • Bug reporting, defect retesting, and verification of fixes • Creation and maintenance of test cases, checklists, and test scenarios • Daily communication with the team and support of QA process activities • Preparation of mock/test data and support for test environment setup

Project Team Size: 2-5 team members
QA Team Size 1 team member
Tools & Technologies: Android, iOS, Blackmagic Camera App, Mock Data Generator, App Tester, PCAPdroid, Google Workspace, AI-assisted tools, TestFlight, Redmine

INDEEMA	Company Management Platform
Project Description:	Internal company platform for centralized workforce and project management, designed to replace several fragmented tools in one ecosystem. Covers employee time tracking, project assignment, and resource allocation workflows.
Customer:	Internal
Involvement Duration:	12/2025 – Present
Project Role:	Software QA Engineer
Responsibilities:	• Functional, UI, performance, compatibility, stress, and regression testing • Creation and maintenance of QA documentation: test cases, test matrix, checklists, and custom test artifacts • Bug reporting and verification • Daily communication with the team and process coordination • Development and maintenance of automation utilities/helpers
Project Team Size:	5-10 team members
QA Team Size	2 team members
Tools & Technologies:	Redmine, Google Workspace, Postman, Swagger, Grafana, AI-assisted tools, Chrome DevTools, Git, Figma.

INDEEMA	IoT Plant Care Platform
Project Description:	A multi-device IoT ecosystem for automated plant care in indoor growing environments. The system centers around the irrigation and lighting control unit – an embedded device managing pumps and grow lights via scheduled and automated modes - paired with custom optical water level sensors that communicate over BLE. The platform spans a Mobile App (iOS/Android), Web Admin Panel, and AWS cloud backend, with a binary logging system and full OTA update support for both devices (cloud/BLE) and water sensors (BLE).
Customer:	US Company
Involvement Duration:	12/2025 – Present
Project Role:	Software QA Engineer
Responsibilities:	• QA process management across the full IoT stack (firmware, mobile, web, cloud backend) • End-to-end IoT testing: BLE advertising packets and GATT service validation, MQTT topic/payload testing, REST API testing, hardware-level behavior, mobile and web testing • Validation of binary log format integrity on NOR flash (LittleFS ring buffer, event/sensor record parsing, metadata correctness, power-loss recovery scenarios) • OTA firmware update testing: cloud-triggered ILCU OTA (MQTT/S3) and BLE-based OTA for water sensors (MCUboot, rollback verification) • Testing of sensor automation algorithms: moisture-level thresholds, drink rate detection, scheduled vs. manual irrigation mode transitions • AWS IoT device provisioning testing (Fleet Provisioning, certificate lifecycle, LWT/heartbeat mechanism) • Created and maintained QA documentation (test plans, checklists, bug reports, traceability to FRDs) • Bug reporting and triage with direct daily communication with English-speaking customer • Functional, integration, regression, and non-functional testing

Project Team Size:	2-5 team members
QA Team Size	1 team member
Tools & Technologies:	JIRA, Confluence, Redmine, Google Workspace, Postman, Swagger, AWS IoT Core, AWS S3, TestFlight, Firebase App Distribution, Bluetooth Low Energy (BLE), Ubuntu, Terminator, Minicom 2.9, Figma, LightBlue, nRF Connect (Mobile & Desktop), MQTT Explorer, Chrome DevTools, REST API, iOS, Android, PCAPdroid, Reqable, Proxyman, Git, PlatformIO, Visual Studio Code, AI-assisted tools
SOFTSERVE	App for Nurses' Medications Management.
Project Description:	A web application that interfaces with medical hardware to help nurses manage patient medications. It provides secure ordering, tracking, and reporting of drug administrations.
Customer:	US Company
Involvement Duration:	04/2025 – 11/2025 (8 months)
Project Role:	Test Automation Engineer
Responsibilities:	• Improve and extend the current web-automation framework • Creating technical documentation for automated tests • Daily communication with English-speaking customers • Bug-reporting, test debugging • Code review • Estimation tasks/Test Management • UI, API automated testing • Environment full-cycle setup • Automating localization tests
Project Team Size:	10-20 team members
QA Team Size	2 team members
Tools & Technologies:	C#, .NET 8 SDK, NUnit, Selenium, ExtentReports, RestSharp, SqlKata, Microsoft.Data.SqlClient, DotNetEnv, HtmlAgilityPack, NJsonSchema, Git, Jenkins, Custom DevOps library, VS Code, TFS 2011, Visual Studio, SQL Server Profiler, SQL Management Studio, DevTools, Provision Portal, MSSQL 2022, Vagrant
SOFTSERVE	Cloud-based document management system
Project Description:	This project is a mix of different platforms, such as desktop apps, web storages, mobile apps, ecosystem helps users increase work efficiency by providing a reliable, secure way to create, edit, store, locate, and collaborate on documents anywhere and on any device.
Customer:	US Company
Involvement Duration:	10/2024 – 04/2025 (7 months)
Project Role:	Software QA Engineer
Responsibilities:	• Development of automated test scripts/Collaborating with team in version control system (GIT) • Bug-fixing, testing, coding, reporting daily progress, test debugging • Creating documentation for automated and manual tests • Daily communication with English-speaking Customers/Scrum processing • All types of testing such as: regression, sanity, e2e testing • Practical experience with automated/manual testing: Desktop, Web
Project Team Size:	10-20 team members
QA Team Size	4 team members
Tools & Technologies:	C#, NUnit, SpecFlow, UIAutomation, TestStack.White / FlaUI, Performance Monitor, Azure DevOps, Visual Studio, Fiddler, DevTools, Inspect
SOFTSERVE	Ecology-saving web-product

Project Description: Customer: Involvement Duration: Project Role: Responsibilities: Project Team Size: QA Team Size: Tools & Technologies:	This project is a website, which is focused on addressing the challenge of significant changes in behaviors and lifestyles of Lviv citizens, improving the Ecology-saving practices NDA 08/2024 – 10/2024 (3 months) Test Automation Engineer ▪ Estimation tasks/GIT Management ▪ Code development/Bug-fixing/Writing documentation/Code review ▪ Web UI testing; ▪ Team Management 8-10 team members 8 team members Java, Python. TestNG, Selenium, Pytest, Allure, Scrum. GitHub, Playwright
SOFTSERVE	IDE-Console application
Project Description: Customer: Involvement Duration: Project Role: Responsibilities: Project Team Size: QA Team Size: Tools & Technologies:	This project is a console application written in Java that allows running specific tasks collected from the Codewars platform. The application provides an interface for selecting a task author and executing their method to perform a specific task. NDA 08/2024 – 09/2024 (1 month) Test Automation Engineer ▪ Estimation tasks/Test Management ▪ Automating tests ▪ Bug-reporting/Code review ▪ Creating technical documentation ▪ Team management 8-10 team members 8 team members GIT, IntelliJ IDEA/Eclipse. Java/Python
GLOBALLOGIC	AI-based sports live-streaming platform
Project Description: Customer: Involvement Duration: Project Role: Responsibilities: Project Team Size: QA Team Size: Tools & Technologies:	This project involves the development and integration of various camera systems for automated sports event broadcasting. The project features advanced AI-driven technology for automatic video analysis and event tracking. Israeli company 03/2024 – 07/2024 (5 months) Test Automation Engineer ▪ Automating tests/Collaborating with a team using GIT ▪ Bug-reporting, testing, coding, reporting daily progress, test debugging ▪ Creating technical documentation ▪ Daily communication with English-speaking team ▪ Test Execution 8 – 10 team members 6 team members Confluence, Docker, Jenkins, GIT, JIRA, MongoDB, NodeJS, BrowserLibrary, PostgreSQL, VS Code/PyCharm.
APPEXOFT	Sick Leave Management Platform
Project Description: Customer: Involvement Duration:	This project is focused on helping companies manage their employee's sick leaves. US Company 11/2023 - 02/2024 (4 months)

Project Role: Responsibilities: Project Team Size: QA Team Size: Tools & Technologies:	Software QA Engineer - Manual Testing (mobile, web) - Localization testing (manual) - Bug-reporting/Retesting/Fix verification - Creating/Execution technical documentation - Daily communication with English-speaking team - Reporting daily progress - Experience in automating tests using Playwright (JS) 8 – 10 team members 2 team members Figma, PostgreSQL, TestRail, DevTools, Asana/Jira, Fiddler.
EMRLD	Health & Fitness Platform
Project Description: Customer: Involvement Duration: Project Role: Responsibilities: Project Team Size: QA Team Size: Tools & Technologies:	This project is focused on selling exercise bikes and providing instructor education. US Company 01/2023 - 06/2023 (6 months) Software QA Engineer - Manual Testing - Bug reporting/Retesting/Fix verifications - Creating technical documentation - Daily communication with English-speaking team - Reporting daily progress - Experience with automating tests using Selenium (JS) 2-5 team members 2 team members DevTools, JIRA, TestRail, Confluence, BugMagnet, Postman
Languages	English – Upper-Intermediate (B2+) Ukrainian – Fluent Russian – Upper-Intermediate Spanish – Beginner (A1)
Education	Bachelor Lviv Polytechnic National University Department of Computer Sciences and Information Technologies 2022- 2026
Additional education (courses, trainings, certifications)	The Complete JavaScript Course 2023: From Zero to Expert! Cypress: Web Automation Testing from Zero to Hero Playwright: Web Automation Testing from Zero to Hero Company trainings
Hobbies	Software Development, Science, AI/ML, Web3/Crypto/Blockchain, Affiliate Marketing/SMM/E-Commerce, History/Archeology, Foreign Languages/Travelling, Pet Projects