OLEKSANDR LOZYTSKYI

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SENIOR QA AUTOMATION ENGINEER | Python, Java | API & Integration Testing | End-to-End & BDD | CI/CD & DevOps | UNIX/Linux | AI/ML-READY | ISTQB Certified

Senior QA Automation Engineer with 10+ years of experience designing scalable test automation frameworks for high-load web, API, and distributed systems. Specialized in Python and Java-based automation, CI/CD integration, and end-to-end quality engineering.

Strong expertise in validating complex systems including blockchain-based financial platforms and LLM driven applications (Langflow), covering prompt validation, AI workflow testing, and API chain verification. Proven track record of improving release quality, increasing automation coverage, and reducing production defects through risk-based testing and shift-left practices. Experienced in leading QA initiatives, defining test strategies, and aligning testing with business acceptance criteria in Agile environments. ISTQB certified, AI/ML certified (IBM). Open to Senior/Lead QA Automation and SDET roles in high-scale, AI-driven, or fintech environments. Strong verbal and written communication skills, experienced in cross-functional team collaboration, Agile methodology, and addressing customer needs through end-to-end testing and troubleshooting. Open to global remote roles.

PROJECTS

Senior QA Automation Engineer – Blockchain-based Application 10/2025 – Present

• Designed, built, and maintained a Python/Pytest/Playwright test automation framework from the ground up, establishing reusable components, fixtures, and reporting standards that enabled the team to rapidly scale automated coverage
• Took automated coverage of the service's blockchain-based financial workflows from zero, contributing the majority of the test cases.
• Stabilized and optimized the regression suite by implementing retry logic, smart wait/polling strategies, environment warm-up routines, and pre-execution health checks — reducing pipeline failure rate by ~30% and cutting runtime from 5 hours to 3 hours to support a monthly release cadence
• Built and executed API and on-chain test suites using Pytest, Apigee, and web3, covering transaction submission, confirmation, and finality on testnets, including handling async wait conditions and gas estimation edge cases
• Defined test automation strategy and framework architecture, then mentored a team of 4 engineers on implementation, coding conventions, and best practices, ensuring consistent adoption across the team
• Integrated automated test suites into Azure DevOps CI/CD pipelines and managed test environments/test data, enabling continuous testing and early defect detection across releases
• Reviewed code for both application and automation, providing feedback on test design and maintainability
• Collaborated directly with developers, DevOps, and product stakeholders to align on testability requirements, environment needs, and acceptance criteria, applying risk-based testing to prioritize coverage on high-impact workflows

QA for Langflow-based Application 01/2024 - 10/2025

- Designed and executed test cases for web and API layers of internal and client-facing applications
- Automated functional and regression scenarios using Python (PyTest, requests), and Playwright
- Contributed to the development of the internal test automation framework with integration into CI/CD pipelines (AWS CodeBuild)
- Performed requirement analysis, test design, test data preparation, and environment setup
- Participated in sprint planning and design reviews to ensure testability and early QA involvement
- Maintained and troubleshot test infrastructure to ensure stability of automation runs
- Supported exploratory and manual testing of new features prior to release

WORK EXPERIENCE

IntellectEU 03/2023 - Present
Quality Assurance Engineer

- Implemented test cases for web and API layers of internal, client-facing and web services applications
- Programmed functional and regression scenarios using Python (Pytest, requests), Playwright, Java, Selenide, and REST Assured
- Built and integrated a test automation framework into CI/CD pipelines using AWS CodeBuild, Azure DevOps and GitLab CI, leveraging version control and supporting the software development life cycle
- Conducted requirement analysis, test design, test data preparation, and environment setup
- Engaged in sprint planning and design reviews to ensure testability and early QA involvement
- Maintain test infrastructure and troubleshoot to ensure automation stability
- Supported exploratory and manual testing of new features prior to release, logging and tracking defects through Jira/Atlassian ticketing systems and documenting results in Confluence

Group BWT 11/2020 - 02/2023
Quality Assurance Test Engineer

- Developed and upheld UI test automation using Java, Selenide, Cucumber, TestNG/JUnit, Gradle/Maven
- Led design and implementation of REST API test automation using REST Assured and Postman, achieving 100% endpoint coverage and reducing bug leakage rate
- Integrated test execution into CI pipelines using Jenkins and GitLab CI
- Actively supported refactoring and stabilization of test suites, applying attention to detail and problem solving skills
- Provided test result reporting and visualization using Allure, contributing to cross-team verbal communication and written and verbal communication skills
- Participated in requirements clarification and QA process improvements, using Jira, Confluence, and Atlassian tools and aligning with best practices and design patterns

Bineks.net 03/2015 - 10/2020
QA Engineer

- Created and performed manual test cases based on business and technical requirements for e commerce platforms
- Logged, tracked, and verified defects using Redmine and direct developer communication, ensuring

attention to detail and prioritization of critical issues

• Supported functional, usability, and regression testing across multiple releases, including front-end (HTML, DOM) and back-end components

• Maintained structured test documentation and retesting for fixed issues, collaborating in a small cross functional team to strengthen team building and problem-solving

• Contributed to test strategy, defining quality gates based on acceptance criteria compliance

EDUCATION

Master's degree, Electrical and Electronics Engineering
ZAPORIZHZHYA STATE ENGINEERING ACADEMY ZAPORIZHZHYA • 01/2012 - 01/2018

CERTIFICATIONS

IBM AI Engineering

ISTQB Certified Tester Foundation Level 4.0

Deep Learning with PyTorch

Generative AI: Prompt Engineering Basics

Machine Learning with Python
The Complete Python Bootcamp From Zero to Hero in Python

Cypress: Web Automation Testing from Zero to Hero

QATestLab software testing

SKILLS

Adaptability, Allure Reports, Analytical thinking, API Testing, Attention to detail, AWS CodeBuild, Bash, Bitbucket, Certified in AI Engineering (IBM); tested LLM-driven workflows and AI pipelines in Langflow-based systems, Communication, Cross-browser Testing, Cucumber (BDD), Cypress, Database, Docker, Functional Testing, Git, Github, GitLab CI, Gradle, IntelliJ IDEA, Java, JavaScript, Jenkins, JMeter, JSON Schema Validation, JUnit, Langflow, Locust, Maven, Node.js, Playwright, PostgreSQL, Postman, Problem-solving, Prompt-based QA validation, Pytest, Python, Redmine, Regression Testing, Requests, REST API testing, REST Assured, SDLC, Selenide, Selenium, SQL, Static Testing, Swagger, TDD, Teamwork, TestNG, Time management, TypeScript, UI Testing, Usability Testing, UX/UI, VS Code