StrimQa

CERTIFICATE

Id: 6a0ca75c6270506f3f1adc1b
Group name: 25Q3

Mentor: Egor Pavlovets
Is proud to confirm that student:

Ihar Lukyanets

has successfully accomplished entire program of the course and successfully completed Diploma project

Online course learning program: Fullstack QA course
8 months, 160 hours of classes with the mentor: Java, Python test automation; Gitlab CI/CD; Allure; JUnit, PyTest, Mobile UI. Web UI, API tests; automation of Test Pyramid; Docker; ORM and Databases.

Pavlovets Egor
strimka.by

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2026-05-18 Application to the certificate id: 6a0ca75c6270506f3f1adc1b
Certificate is issued by: STRIMKA LTD https://www.strimka.by
Certificate is signed by: Pavlovets Egor, mentor and STRIMKA LTD CEO
Course name: Fullstack QA Course length: 8 months, 160 hours

Course program:

1. Fundamentals of Java 21, JDK, JRE
    a. Language syntax, OOP, test automation patterns, code review with use of Java code convention
    b. Test Automation Project creation and setup with IntelliJ IDEA CE, Maven, JUnit
    c. Advanced Test Automation Project setup with Allure, Gitlab CI pipelines, git version control, maven CLI
    d. Advanced Test Automation Project setup with Maven sub-modules, running Unit and Service tests from modules
    e. Building Test Pyramid, explaining on practice each level of the Pyramid, creating tests on all 3 levels
2. Practice usage of test automation libraries and tools, Java projects
    a. JUnit 5: parallel execution, unit tests, lifecycle, tests isolation and management
    b. Reporting via standard JUnit console output; Reporting via Allure; Test Coverage with Jacoco
    c. RestAssured library usage for API tests, serialization and deserialization via Gson and Jackson libraries
    d. Playwright and WebDriver usage for UI tests, cross browser testing, video recording, traces
    e. Javalin web-server library practical usage for RESTful service creation, API testing
    f. CLI application creation with user dialog and tests on Unit and Service levels
    g. Multithreading API tests with OKHttp client, URL Java class, RestAssured library
3. Fundamentals of Python 3, PEP8, PIP, Environment setup
    a. Python setup, Python project setup with PyCharm, Language syntax, dependency management with venv and pip
    b. Code review with PEP8 code convention, Gitlab CI pipelines setup
    c. PyTest, fixtures, requirements, frameworking Unit and REST API tests (requests lib)
    d. Advanced PyTest setup with Allure, code reuse, fixtures, context managers, setup/teardown method
    e. Playwright UI tests, Allure reports, Gitlab CI pipeline, video recording, screenshots, HAR logs, traces
    f. Creation of Docker containers, usage of docker-compose, troubleshooting not running or failing containers
    g. Database and tests setup to provide test data into the PyTest API/UI tests
    h. Appium UI tests implementation on Emulators, inside Docker Emulators, on real Android devices
    i. Creation of backend server, with frontend and database and full test coverage via Test Pyramid
4. Additional professional trainings
    a. Livecoding, Solution of: OOP tasks, Algorithmic tasks, all required software setup, tests creation
    b. Regex practice, xPath, CSS selectors practice
    c. Android SDK practice: adb, sdk setup, sdk tools, logcat logs, adb shell input tap|swipe|keyevent etc
    d. Android SDK Emulator management practice
    e. Google Chrome DevTools practice
    f. 25 Practice programming home tasks with required minimum 70 hours to get them done by student
    g. Four big gitlab projects with CI/CD pipelines, reports, UI, API, Unit tests and artifacts creation, with code coverage export and test pyramid coverage ratio calculation and control
    h. Docker/Docker-Compose practice with Dockerfile, wrapping fastapi server for test env spin-up