



CERTIFICATE

Id: 685da1158578d70a091af8f8

Group name: 24Q3

Mentor: Egor Pavlovets

Is proud to confirm that student:

Dzmitry Viachaslavau

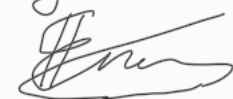
has successfully accomplished entire program of the course and successfully completed Diploma project

Online course learning program: Fullstack QA course

9 months, 180 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.



Issue date 16.06.2025

Pavlovets Egor
strimqa.by 

2025-06-16 Application to the certificate id: 685da1158578d70a091af8f8

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: 9 months, 180 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. 39 Practice programming home tasks with required minimum 100 hours to get them done by student
 - g. Four big gitlab projects with CI/CD pipelines, reports, UI, API, Unit tests and artifacts creation