

Abdallah Alhajahmed

Java Developer & Test Automation Engineer

Overview

Abdallah is a Java Full-Stack Software Developer with an MSc in Software Development and a strong background in Java Test Automation Engineering. He has hands-on experience building diverse projects, including building the PalCafe website in collaboration with a UX writer; building a mobile-based Sales Analytics Sheet application in collaboration with a sales compliance manager; and creating multiple robust and extensible web and API test automation frameworks.

Abdallah was inspired to transition into IT when AI was released to the public. He has become highly skilled in Java and developed a solid understanding of Computer Science, Software Development, and Test Automation Engineering. His MSc in Software Development resulted in a substantial project: an AI-powered web-based French Language tutor.

Abdallah is eager to use his expertise to contribute to meaningful projects. Beyond programming, Abdallah holds another master's degree in Translation and possesses native fluency in both English and Arabic. He has worked in multiple companies as an Arabic Translator and has gained experience in communicating effectively.

Work Experience

Jan 2026 – Present

Sparta Global – Consultant (Java Development)

Abdallah has built strong core skills in Java development, focusing on clean code, object-oriented design, SOLID principles, design patterns, and effective unit-testing with JUnit and Hamcrest. Gained practical experience using JDBC for direct database access and JPA for easier, object-based data handling. Progressed into modern backend development with Spring Boot, building RESTful APIs using Spring Web and Spring Data JPA within a clear layered architecture. Used Spring MVC to structure web applications following controller–service–repository patterns, and applied JUnit and Mockito to thoroughly test application logic. Delivered team projects in collaborative Agile environments that reinforced skills in:

- API Development: REST APIs with Spring Boot using Dependency Injection, DTOs, entities, and repositories to build clean, maintainable systems.
- Web Application Development: Structuring application flow with Spring MVC and building server-rendered pages using Thymeleaf.

Additionally gained experience with HTML, CSS, JavaScript as well as automating tasks with GitHub Actions.

Jun 2025 – Jan 2026

Sparta Global – Consultant (Test Automation)

Established a solid foundation in software testing techniques and principles, covering exploratory testing, usability & accessibility testing, acceptance testing, and performance testing. Developed a thorough understanding of defect management and industry best practices, alongside the test automation pyramid and its role in designing effective testing strategies. Progressed into advanced Java programming, focusing on unit testing methodologies using JUnit, Hamcrest, and Mockito to ensure robust, maintainable, and high-quality test cases. Gained

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Java Developer & Test Automation Engineer

Training.

- Agile and Scrum
- Version Control (Git)
- SQL
- Java
- OOP
- SOLID Principles
- Design Patterns
- Unit Testing (JUnit)
- File I/O
- JDBC
- REST APIs
- Spring Boot
- Thymeleaf
- Bootstrap
- ISTQB Certification (CTFL)
- Testing Techniques
- Agile and Scrum
- Version Control (Git)
- SQL
- Java
- Spring Boot
- OOP SOLID
- Unit Testing (JUnit and Hamcrest)
- Mocking (Mockito)
- API Test Frameworks
- RestAssured
- Web Test Frameworks using Selenium & Playwright
- BDD with Cucumber
- CI/CD Pipelines (Jenkins)
- AWS
- Terraform

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firsthand experience developing test automation frameworks through individual and collaborative projects in an agile environment, covering:

- **Web & API Test Automation:** Designed and implemented Selenium Cucumber-based, playwright, frameworks using Page Object Model to enhance the framework's maintainability and reusability. Abdallah has also used RestAssured utilising config files for enhanced maintainability and flexibility, and POJOs for structured data handling.
- **CI/CD Version control:** Expanding onto his knowledge in GitHub, GitLab, and Jenkins, Abdallah has now further developed his skills using Docker to interact with containers and GitHub Actions to automate test scripts in build pipelines.

Mar 2025 – Present

PalCafe – Web Developer

Abdallah volunteered his expertise to design and build a website for PalCafe, a community-led initiative and charity working to create Glasgow's first Palestinian cultural café. He worked alongside a UX writer, where he was responsible for building the website. Abdallah is currently maintaining and expanding this website during his free time.

Sep 2023 – Nov 2024

Dals – Face-To-Face Interpreter

Abdallah provided real-time face-to-face English-Arabic interpretation during meetings at The British Red Cross.

Jan 2023 – Mar 2023

Global Voices – Arabic Linguist

Abdallah Translated Financial, Legal, and Technology-related content from English into Arabic. He also Gained proficiency in using Trados, a leading computer-assisted translation (CAT) tool, to improve translation efficiency and consistency.

May 2021 – Oct 2021

The Channel Mena – Bilingual Translator Copywriter

Abdallah wrote marketing content to help promote a variety of products and connect with target audiences. He was responsible for proof-reading and editing translated texts to ensure they are of high quality. In addition, Abdallah gained experience with website localization to suit the needs of the Kuwaiti target

Education

Sep 2023 – Sep 2024

University of Glasgow – MSc in Software Development (Merit)

Final Project: Abdallah built an AI-powered French tutor for young high school pupils looking to improve their French Vocabulary. The tutor leverages the GPT Large Language Model and uses Retrieval Augmented Generation and Prompt Engineering techniques to provide a personalised and highly interactive learning experience for the pupil. The front-end of this web-based application was built using Bootstrap, HTML5, and JavaScript while the back end was built with Python, LangChain, and

Additional Skills.

- HTML5
- CSS3
- JavaScript
- Arabic Language
- Linux
- C#
- Bootstrap
- LangChain
- Dart
- Flutter
- WordPress
- React
- Python
- PHP
- TypeScript
- Node.js

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Flask. Abdallah is proud to be one of few students in his cohort to have achieved a distinction grade (A4) in this substantial project.

Key Modules: Programming; Advanced Programming; Database Theory and Analytics; Algorithms and Data Structures; Enterprise Cyber Security; Software Engineering; Systems and Networks; MSc IT+ Team Project; MSc Project for Information Technology; Internet Technology; Cryptography and Secure Development.