

Muhammed Raafat Elgarf

Software Testing Engineer

 Muhammed Raafat El-Garf  Muhammed Raafat El-Garf  muhamedelgarf2@gmail.com  Portfolio

 01006896936  Zahraa Nasr City  Exemption

PROFILE

Software Testing Engineer with hands-on experience in Manual Testing, Automation Testing, and API Testing for web applications. Experienced in designing and executing test cases, validating APIs and databases, and ensuring software quality through effective testing practices across real-world testing projects. Passionate about continuous learning and leveraging AI technologies to improve testing efficiency, accelerate testing processes, and enhance software quality

Experience

Software Testing & Automation Trainee | Next Academy

03/2026 – 09/2026

Nasr City

- Completed practical assignments and testing tasks covering Manual, Automation, API, and Database Testing using SQL, including designing and executing test cases, creating bug reports, and applying ISTQB-based functional, negative, boundary, regression, and risk-based testing techniques and Soft Skills.
- Worked on Manual, Automation, and API Testing Projects, including Guru99 Banking System, DemoBlaze, Automation Exercise (E-commerce Website), and Automation Exercise API, designing and executing test cases and validating application functionality and API behavior.
- Applied testing techniques including BVA, EP, Decision Tables, State Transition, Static Testing, and Risk-Based Testing, while using Jira for defect tracking and collaborating within Agile teams.

Freelance Manual Tester | Upwork

11/2025 – 02/2026

Remote

- Performed Manual Testing for E-commerce Websites and Banking Systems, analyzing requirements and business workflows.
- Designed and executed test scenarios and test cases covering Functional, Positive, Negative, Boundary, and Regression Testing.
- Identified, documented, and reported software defects with clear reproduction steps, expected and actual results.
- Performed Retesting and Regression Testing to validate bug fixes and ensure application quality.

Software Testing Engineer Trainee | Edges for Training

06/2025 – 10/2025

Nasr City

- Completed training in Manual and Automation Testing, including test case and test scenario design and execution for web applications.
- Performed Bug Reporting and Defect Tracking and gained practical knowledge of Automation Testing fundamentals and SQL for Database Testing.
- Applied software testing concepts through practical training activities and assignments.

Change Management Engineer | Orange Egypt

01/2025 – 07/2025

Benha

- Reviewed network change requests, assessed risks and potential impacts, and supported change management processes to ensure service continuity and minimize operational risks.

Health, Safety, and Environment Engineer | Redcon Construction

08/2023 – 12/2024

Ismailia

- Led site safety activities, conducted risk assessments, and ensured compliance with HSE procedures, safety standards, and documentation requirements.

Projects

Automation Testing Project – Automation Exercise (E-commerce Website)

- Developed a scalable UI Test Automation Framework using Java, Selenium WebDriver, TestNG, Maven, and POM, with reusable components, and automated 26 end-to-end test scenarios using JSON-based data-driven testing, Maven/TestNG execution, and Allure Reports.
- **Tools & Technologies:** Java, Selenium WebDriver, TestNG, Maven, POM, JSON, Allure Reports, Eclipse
- **GitHub:** <https://github.com/muhammed-elgarf/automation-exercise-ui-automation> 

Automation Testing Project – Swag Labs (E-commerce Website)

- Developed a UI Test Automation Framework using Java, Selenium WebDriver, TestNG, Maven, and Page Object Model (POM) with reusable BaseTest and BasePage classes, and automated end-to-end workflows covering login, cart operations, and checkout using JSON test data, TestNG XML for regression execution, and Allure Reports.
- **Tools & Technologies:** Java, Selenium WebDriver, TestNG, Maven, POM, JSON, Allure Reports, Eclipse.
- **GitHub:** <https://github.com/muhammed-elgarf/Swag-Labs-UI-Automation> 

Manual Testing Project – Guru99 Banking System

- Performed comprehensive Manual Testing by analyzing functional requirements and business workflows, designing and executing test scenarios and test cases for core banking functionalities, and conducting Functional, Positive, Negative, Boundary Value, and Validation Testing, while documenting defects and maintaining bug reports and test execution reports.
- **Tools & Technologies:** Microsoft Excel, Google Sheets, Manual Testing, SDLC, STLC, Bug Reporting.
- **GitHub:** <https://github.com/muhammed-elgarf/Guru99-Bank-Application-Manual-Testing> 

Manual Testing Project – DemoBlaze (E-commerce Website)

- Performed Manual and Functional Testing for authentication, product catalog, cart, checkout, and navigation workflows, designing and executing positive, negative, boundary, validation, and end-to-end test cases, documenting defects, and maintaining test execution reports.
- **Tools & Technologies:** Manual Testing, Functional Testing, Regression Testing, Test Case Design, Bug Reporting, SDLC, STLC, Google Sheets.
- **GitHub:** <https://github.com/muhammed-elgarf/demoblaze-manual-testing>

API Testing Project – Automation Exercise API

- Performed REST API Testing using Postman, covering products, brands, search, authentication, registration, and account management through GET, POST, PUT, and DELETE, with positive, negative, and parameter validation, validating status codes, response bodies, headers, response times, and API behavior.
- **Tools & Technologies:** Postman, JSON, HTTP Methods, REST API Testing, API Validation, Bug Reporting.
- **GitHub:** <https://github.com/muhammed-elgarf/automation-exercise-api-testing>

Tidopay Mobile Wallet Application – Graduation Project

- Performed Manual and Mobile Testing for a mobile wallet application, designing and executing test cases for authentication, OTP verification, wallet recharge, QR payments, transactions, balance inquiry, and bilingual support, with Functional, Regression, Negative, and Edge-Case Testing, defect reporting, fix validation, and ISTQB-based testing practices.
- **Tools & Technologies:** Manual Testing, Mobile Testing, Functional Testing, Regression Testing, Test Case Design, Defect Reporting, ISTQB.
- **GitHub:** <https://github.com/muhammed-elgarf/Tidopay-Mobile-Wallet-Application-Graduation-Project>

Skills

Testing Skills	Automation & API Testing	Programming & Data	QA & Collaboration Tools
• Manual Testing • Functional Testing • Regression Testing • Test Case Design • Test Scenario Design • Bug Reporting & Defect Tracking • Database Testing • SQL	• Selenium WebDriver • TestNG • Maven • Page Object Model (POM) • Postman • REST API Testing • Allure Reports	• Java • OOP • JSON • HTML5 • CSS3	• Trello • Jira • GitHub/ Git • Google Sheets
Development Tools	AI	Soft Skills	
• Eclipse • MySQL Workbench • Apache NetBeans • Notepad++	• ChatGPT • Prompt Engineering	• Communication • Teamwork & Collaboration • Problem Solving • Attention to Detail	

Training & Certifications

National Telecommunication Institute (NTI) - Next Academy
Graduation Project: Automation Testing Project-Automation Exercise(E-commerce Website)

Software Testing Diploma - Edges For Training
Graduation Project: Automation Testing Project-Automation Exercise(E-commerce Website)

Courses

- Software Testing Course – Udemy
- Manual Testing Course – QA cart
- Introduction to Software Testing Concepts & Techniques – ITI Platform (Mahara-Tech)
- Effective Test Case & Bug Report Writing Techniques – ITI Platform (Mahara-Tech)
- SQL for Testing – Testing Dragons (Self-Study)
- Prompt Engineering & AI from Scratch – Udemy
- HTML & CSS – ITI Platform (Mahara-Tech)

Education

Bachelor’s Degree in Computers and Information
Department: Computer Science **Overall Grade:** Good
Graduation Project: TidoPay – Mobile Wallet Application
Graduation Project Grade: Very Good

2024
New Cairo, Egypt

Languages

Arabic Native	English Intermediate
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