NWANGANGA EMMANUEL CHINEDU

SOFTWARE TEST ENGINEER

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PROFILE

ISTQB-Certified QA Engineer with over 3 years of experience in **test automation, test planning, and test execution** across web, desktop, and safety-critical systems. Skilled in **Selenium**, **Python**, and **Java**, with familiarity in **Cucumber** and **Tosca**. Experienced in defining test strategies, preparing **test data and environments**, and executing automated and manual regression suites in **CI/CD pipelines** (Jenkins, GitHub Actions). Recognized for analytical thinking, proactive problem-solving, and ensuring quality through meticulous attention to detail in **Agile teams**.

EXPERIENCE

Software Test Engineer, *Dss Consulting*   09/2023 – 04/2025
Budapest

- Designed and executed **functional, integration, and regression tests** for safety-critical software components.
- Built and maintained **automation frameworks (Selenium, Python/Java, TestNG, Ranorex)**, improving regression coverage by 25%.
- Reviewed and validated **software requirements specifications (SRS)** and designed test cases ensuring full traceability.
- Performed **system and Factory Acceptance Tests (FAT)** and supported defect root cause analysis.
- Developed **automated test scripts in Python** for validation and contributed to **test result management and reporting** in **Allure and Xray**.
- Participated in **continuous improvement initiatives**, enhancing test coverage for safety-critical software in **real-time systems**.

Functional Tester (Internship), *ProofIT*   08/2022 – 01/2023
Budapest

- Performed **functional, exploratory, and integration testing** for safety-relevant web, mobile, and Linux desktop applications.
- Performed **cross-platform testing (web, Android, Linux desktop)** including exploratory and regression test cycles.
- Collaborated with developers and testers in **Agile sprints**, reporting and tracking issues via **Jira**.
- Prepared and executed **automated test scripts (Selenium, JUnit)** and maintained regression suites.

EDUCATION

Computer Science Engineering Bsc, *University of Dunaujvaros, Hungary*   09/2021 – 06/2025
Hungary
Specialization: Software Technology
GPA: 4.79/5.0

SKILLS

Testing & Safety Standards: EN 50128, EN 50657, ISO 26262, DO-178C, ED12B/C, ED109, DOORS, Polarion, Functional Testing, Integration Testing, Regression Testing, System-Level Testing, Test Documentation, Requirements Traceability

Test Automation: Selenium, Selenide, estNG, Cucumber, Tosca, Playwright, Cypress, JUnit, TestNG, AssertJ, Allure, Xray, Python (Pytest, Robot Framework), and Squish

CI/CD & Tools: Jira, Confluence, Jenkins, GitHub Actions, Azure DevOps, VMWare, Ubuntu, IntelliJ

Programming & Scripting: Python, Java, C#, javascript, Shell scripting, PowerShell,XML, SOAP, Git, Docker, Microservices

Collaboration & Methodologies: Agile/Scrum, Continuous Testing, Defect Root Cause Analysis, UAT/FAT Planning, Definition of Done Alignment

Manual Testing: Web, Desktop, Android, iOS, Exploratory, Regression, Smoke Testing

LANGUAGES

English
Native

German
B1

Certificates

ISTQB Certified Tester - Foundation Level (CTFL)
25-CTFL-01979-USA

Software Testing Bootcamp
UC-22cc989-95b9-23-8ba5-b2532ece9e59

ASP.NET Core and Entity Framework Development
UC-37afd622-8d79-dc5-8e8c-36d19dede

PROJECTS

Flight Booking Automation, *GitHub: github.com/Emmanuel-N-C/FlightBookingAutomation*
- Automated **end-to-end booking workflows** (search → seat selection → **payment validation**) using Selenium with Java.
- Validated **REST APIs with authentication tokens** and ensured **resilient system behavior under simulated failures**
- Implemented **BDD (Cucumber + TestNG)** with parallel execution, reducing runtime by 35%.
- Integrated **automated reporting (Allure)** and defect tracking via **Jira**, validating workflows through **Selenium (Java)** and **JUnit** in a CI/CD pipeline.
- Produced execution reports supporting release readiness reviews and tracked defect resolution time as QA KPIs.

ETEElementsAutomation, *Github: https://github.com/Emmanuel-N-C/ETEElementsAutomation*
- Built a modular **Katalon automation framework** (Groovy/Java) with POM structure.
- Automated **form validations, alerts, and UI workflows**, reducing manual regression effort by 40%.
- Enhanced automation stability and test reusability across **microservice-based environments**, applying **assertion libraries (AssertJ/TestNG)** for validation accuracy.
- Enhanced automation framework stability and reusability, contributing to continuous improvement in testing workflows

ToolsTestOrbit, *GitHub: https://github.com/Emmanuel-N-C/ToolsTestOrbit*
- Designed UI automation scripts covering multiple dynamic user flows.
- Applied **parameterization and parallel execution** in TestNG for optimized coverage.
- Ensured **scalability and reusability** through POM structure.