

# Monnelisa Mangalie

Email: monnelisa01mangalie@gmail.com | Location: Cape Town, South Africa | Open to Relocation/Remote |  
Portfolio: <https://monnelisamangalie.netlify.app/> | GitHub: <https://github.com/Monnelisa>

## PROFESSIONAL SUMMARY

Detail-oriented QA Analyst with hands-on experience in manual and automated testing within agile delivery environments across web and mobile platforms. Strong ability to design test cases, defect management, and API validation. Skilled in Selenium, Postman, and Jira with growing exposure to C# and Python automation frameworks. Passionate about collaborating with cross-functional teams to deliver stable, high-quality software. Recognised for analytical thinking, and ownership of release quality in fast-paced startup contexts.

## TECHNICAL SKILLS

- Manual Testing: Regression Testing, Functional Testing, Smoke Testing, Exploratory Testing, UAT,
- Automation: Selenium WebDriver, Postman Collections, C# & Python automation.
- API Testing: REST, Swagger, Postman, response validation
- Test Artifacts: Test plans, test cases, bug reports, release notes
- Programming Languages: Python, Java, JavaScript, C#, HTML, CSS, SQL
- Frameworks: Pytest, JUnit, TestNG
- Version Control: Git & GitHub
- Operating Systems: Windows, Linux, macOS

## EDUCATION

WeThinkCode_	2022 – 2024
National Diploma (NQF 5) in Information Technology (Systems Development)	
Worcester Secondary School	2019
National Senior Certificate	

## CERTIFICATIONS

- ISTQB Foundation Level
- AWS Certified Cloud Practitioner
- Foundations of User Experience Design (Coursera)

## EXPERIENCE

### Software Quality Assurance Analyst | Cnnect App

2025 – Present, Cape Town, South Africa

- Execute manual and automated test cases to validate functionality, performance, responsiveness and reliability of web and mobile systems.
- Perform regression and smoke testing on sprint releases to ensure stability before deployment.
- Identify, document, prioritise, and track defects using JIRA, collaborating closely with developers to ensure timely resolution.
- Support basic test automation using Selenium WebDriver and Postman collections.
- Conduct and support User Acceptance Testing (UAT) with stakeholders, assisting with validation and sign-off readiness.
- Support agile sprint cycles by coordinating testing activities, test readiness, and release validation.

- Work closely with the Project Manager to assist with sprint planning support, progress tracking, and delivery coordination.
- Validate UI/UX alignment across browsers and devices.
- Coordinate internal and client sign-off on approved briefs before development commences to reduce scope creep and delivery risk.
- Contribute to the creation of client briefs and scope documents for new features and enhancements, ensuring requirements are clearly defined prior to development.

## PROJECTS

### **CodeBlanks – Educational Quiz Web App**

*Gamified learning platform for programming terminology and concepts*

- Designed and developed an interactive JavaScript quiz application supporting Fill-in-the-Blank and Multiple Choice modes
- Implemented core game engine with difficulty levels, dynamic question selection, and real-time progress tracking
- Developed input validation, normalization logic, and scoring algorithms to ensure accurate evaluation
- Built responsive UI optimized for desktop and mobile with immediate visual and audio feedback
- Wrote automated unit tests using Jest (npm) to validate core utilities and game logic
- Implemented test coverage for: answer normalization, question filtering, option shuffling, and mode selection
- Followed Test-Driven principles by verifying utility functions before UI integration
- Structured the project using modular JavaScript for maintainability and separation of concerns
- Performed manual exploratory testing and regression testing alongside automated unit tests
- Managed version control via GitHub with structured commits and documentation

**Tech Stack:** JavaScript, HTML, CSS, Jest, npm, Git & GitHub

**Skills Demonstrated:** Unit Testing, Test Automation, Frontend QA, Validation Logic, Debugging, SDLC, Clean Code

### **SauceDemo Automation Framework – C# Selenium**

*Enterprise-style test automation framework for e-commerce platform*

- Designed and implemented a C# Selenium WebDriver automation framework using Page Object Model (POM) and SOLID principles
- Developed 39 automated test cases covering login, product search, cart, checkout, and end-to-end purchasing workflows
- Implemented NUnit test framework, assertions, parameterized tests, and test categorization (Smoke, Regression, Functional)
- Built reusable components: DriverFactory, BasePage, WaitHelper, DataHelper to improve maintainability and scalability
- Integrated Serilog logging with automatic screenshots on failure for debugging and reporting
- Configured GitHub Actions CI/CD pipeline for automated test execution and artifact reporting
- Externalized test configuration via appsettings.json with environment support
- Applied advanced automation concepts: explicit waits, retry logic, exception handling, and dynamic locators
- Followed industry best practices for test structure, naming conventions, and clean code

**Tech Stack:** C#, .NET, Selenium WebDriver, NUnit, GitHub Actions, Serilog, JSON, POM, CI/CD

**Skills Demonstrated:** Automation Framework Design, E2E Testing, Regression Testing, Debugging, CI Integration