**Nathan Mayifuila**

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**Profile**

London-based Software Development Engineer with nearly 7 years of experience specializing in C# .NET development and test automation. Proficient in backend development, API integration, and building scalable testing frameworks. Experienced in developing robust solutions for QA and testing, with expertise in implementing efficient automation strategies. Experienced in working with agile teams and increasing revenue for both public and private sectors clientele by implementing various technologies.

**Key skills**

* Software development: C#, Java, SQL, PHP, JavaScript, TypeScript
* Tools: Microsoft Azure, Octopus Deploy, Datadog
* Frameworks: .NET, MVC, Unity, Node.js
* Game development: C# and Unity game engine
* Performance testing with HP LoadRunner and Apache JMeter
* UI and API Testing with Playwright, Cypress and Selenium (Specflow / Cucumber BDD)
* Native and Bilingual proficiency in English and French

**Work Experience**

***Freemarket - Software Development Engineer in Test / SDET (2022-)***

At Freemarket, I collaborated with senior developers to build and test financial microservices for critical functions like banking, identity verification, commercial and compliance. I contributed to the ‘Platform Tests’ framework, which included smoke, unit, and integration tests, initially built with Java, Selenium, and Cucumber BDD before migrating to Microsoft Playwright and SpecFlow in .NET C#. This transition enabled closer collaboration with developers and allowed me to take on software development tasks while ensuring robust quality across APIs, user interfaces, and identity systems. I worked on optimising pipelines by shortening test scenarios, refactoring code, and improving efficiency.

Technologies Used at Freemarket:

* Microsoft Azure
* Octopus Deploy
* Datadog
* SQL
* C# .NET
* JavaScript
* Microsoft Playwright (TypeScript initially, later transitioned to C#)
* TypeScript / Cypress

***Foresters Financial - Automation Test Analyst / SDET (2021-2022)***

My role at Foresters Financial included using my objected oriented programming experience to write Selenium test scripts in a C# .NET Framework as well as SQL Queries in order to test newly implemented system architecture. I was responsible for Automating tests for Key Product Workflows as part of Functional, Integration, and Regression Testing. Our team primarily used Microsoft Azure for version control, reporting, requirements management, project management, automated builds, testing and release management capabilities.

***Capgemini - Software Test Analyst (2018-2021)***

During my time at Capgemini which is a global leader in consulting, technology services and digital transformation, my roles included reviewing newly implemented system architecture and identifying software technology solutions. I learned and implemented various testing tools and techniques for both private and public clients in different industries,

Technologies Used at Capgemini:

* Functional testing with Selenium using, JavaScript, Java and C#
* Web development with SQL, NodeJS, MVC framework and Java
* Performance testing with Apache JMeter and HP LoadRunner
* Project management using Jira and Confluence

**Software Development Personal Projects**

Throughout the last few years, I’ve worked on many side projects as a developer but here are three of my favourites.

***Video game application (C#)***

Drawing on almost 5 years of C# development experience, I utilised my software development skills to create a high-level arcade-style fighting game with multiple playable characters, AI opponents, diverse stages, sound effects, and additional interactive features. The game is available for download on Android and iOS platforms

<https://github.com/nm346/KumitePersonalProject>

***iOS development, Swift/Xcode iPhone app***

I created an iOS app with Swift that keeps track of medications that patients take and sends out reminders daily to ensure they don’t miss a dose.

<https://github.com/nm346/iOS_KonzoAPP>

***Desktop Java Application (Java)***

Writing code is something that I am very passionate about. I have been developing software via personal projects for almost a decade and my oldest personal project is this desktop Hangman game application. <https://github.com/nm346/Hangman>

**Achievements**

* Awarded ISTQB foundation tester certification
* Awarded ISTQB Certified Tester in Agile (Extension)
* EdgeWords Selenium WebDriver JavaScript and Java certified tester
* Certified Smartbear partner (LoadUI Pro, SoapUI Pro, ServiceV Pro)
* Awarded the Chancellor’s Scholarship at the University of Leicester
* Awarded the South Essex College IT student of the year 2014/15

**Education**

***University of Leicester 2015-2018***

Bachelor of Science in Computing (Computer Science): 2.1

Second class (Upper division)

Chancellor’s Scholarship

***South Essex College 2012-2015***

BTEC IT Level 3 Extended Diploma: Distinction\* Distinction\* Distinction\*

420 UCAS points