

Jacob McKenzie

TEST AUTOMATION ENGINEER

Hello, I'm Jacob :) - a passionate software tester with a knack for building automation suites, creating test strategies, and writing test plans. I stumbled into testing by chance and quickly fell in love with the job, constantly seeking ways to improve and optimise the testing process and highlight the value of testing to the broader development team.

In addition to my testing expertise, I also have experience working as a freelance developer. This experience has given me a unique perspective on software development, enabling me to adopt a multidimensional approach to testing. I frequently draw inspiration from my freelance work and personal projects, discovering new technologies and innovative work methods that I can readily incorporate into my professional endeavours.

EXPERIENCE HIGHLIGHTS:

Leeds Teaching Hospitals NHS Trust, Leeds — *Senior Quality Assurance Automation Engineer*

DEC 2020 - PRESENT

- Leading the Quality Assurance Automation efforts in the Healthcare domain, taking ownership of multiple automation projects and initiatives
- Creating utility scripts and tools to make automation more accessible to manual testers and developers, improving efficiency and saving time
- Championing the importance of automation quality, advocating for best practices, and continuous improvement within the team.
- Taking the lead on a mobile automation project, as well as owning an API automation project, ensuring timely delivery and high quality of the final products
- Conducted the migration of the codebase to Azure CI and performed the configuration of the project
- Serving as the primary point of contact for a third-party supplier (BrowserStack), leading the relationship and ensuring seamless collaboration
- Sharing knowledge and expertise with team members through regular training and knowledge-sharing sessions
- Assisting the Test Manager in interviewing and hiring new staff members

Leeds Teaching Hospitals NHS Trust, Leeds — *Quality Assurance Automation Engineer*

JUN 2019 - DEC 2020

- Responsible for writing BDD specifications using SpecFlow and developing automated tests with a focus on web automation.
- Utilised industry-standard tools and frameworks to develop and execute automated tests, ensuring the quality and reliability of the software

Location:

Manchester, GB

Contact:

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<https://github.com/choushen>

Proficient

Automation: C#, JavaScript, Cucumber, Behave

Methodologies: Waterfall, Agile, Scrum, Kanban, BDD, TDD, ATDD

CI: Bamboo

Other: Jira, HTML, CSS, XML, JSON, BrowserStack, NUnit, XUnit, Postman, Git, SpecFlow

Competent

Automation: Appium (Android & iOS), REST Assured, Python, Java

Database: SQL

Other: Confluence, HL7, Azure DevOps, JUnit, Bash, Powershell, Golang

Familiar

Other: Jenkins, Docker, Jmeter, Tomcat, Extent Reporting Framework, ReactJS, Django, Flask, .NET (ASP and MAUI), Swagger

General Testing Experience / Manual Skills:

Web (including cross-browser) and Mobile testing on Android/iOS

Accessibility testing on both web and mobile.

- Created test data using SQL, ensuring accuracy and completeness of the test environment
- Worked with Bamboo Continuous Integration (CI) tool to ensure efficient and effective automated testing processes
- Implemented an internal wiki to document processes, projects, and best practices,
- Developed and maintained a dedicated test database, streamlining the creation of test data and enhancing overall test quality for software applications

Leeds Teaching Hospitals NHS Trust, Leeds — *Junior Quality Assurance Automation Engineer*

FEB 2019 - JUN 2019

- Conducted manual functional, regression, and integration testing under the guidance of senior team members
- Learned from experts and collaborated with cross-functional teams to ensure the timely delivery of high-quality software products
- Assisted in developing and executing automated test scripts using tools such as Selenium, gaining exposure to automation testing

Leeds Teaching Hospitals NHS Trust, Leeds — *DIT Software Development Intern (Test)*

JUL 2018 - FEB 2019

- Experience in building forms using XForms XML and integrating them into a larger system using ASP.NET
- Involved in the deployment of code across different environments
- Successfully transitioned into a testing role during the internship
- Gained exposure to manual testing including, regression, manual API testing with Postman, creating test cases, and logging bugs

EDUCATION

ISTQB, BCS

May 2021

The University of Leeds, BSc (Hons) Applied Computer Science

SEP 2015 - JUN 2018

ABOUT

I'm a true geek with a passion for PC and tabletop gaming. My enthusiasm extends to computer graphics and game development, and I enjoy 3D modelling in Blender. I have experience with Unity, but lately, I've been exploring game engine creation using OpenGL, LibGDX, and Raylib. Beyond technology, I'm intrigued by languages and history, which spurred my learning of Japanese and my interest in Mandarin, aligning with my love for travel.

REFERENCES

Available on request

End-to-end testing working closely with third-party suppliers/vendors and strategic partners

Defect Triage Management

SIT (System Integration Testing) across single work streams and as a gateway for the entire department

UAT (User Acceptance Testing)

both participating and running as well as supporting and training the business in how to write concise test cases

Soft Skills:

Actively involved in recruiting test engineers for Leeds

Demonstrated expertise in managing critical partnerships with key industry entities like BrowserStack, ensuring effective collaboration and mutual success.

Notable Honours & Awards:

DIT Extra Mile Award - Nov 2020

This award process began with a nomination, followed by a selection from the Senior Leadership Team to form a shortlist, culminating in a department-wide vote.

University of Leeds, School of Computing, Undergraduate Excellence Scholarship - 2015

This is a scholarship based on academic excellence