
Lead QA Engineer

Professional Summary

- A result oriented professional graduate who is having more than 10+ years of working experience in software automation testing and quality assurance
- Strong understanding of Agile/Kanban software development methodologies and testing life cycle
- Proficient in programming languages and test automation frameworks
- My key strengths lie in functional and non-functional testing across multiple platforms such as web, mobile (iOS, Android) and API Services
- Experience in performance testing (Load, Soak, Stress etc) and producing metrics using K6 framework and Datadog
- Experience in web and mobile automation testing and designing the required framework using Detox, XCUITest, Espresso, Cypress, Selenium etc.
- Familiarity with Database management systems such MySQL, PostgreSQL and MongoDB
- An effective communicator, strong leadership with stakeholder management skills that combine the ability to work within strict deadlines
- Familiarity with DevOps practices and CI/CD pipeline
- Leading QA guild (6 resources) and championing App release, Release sign off, bug triage duty and QA Onboarding process.

Technical Skills

Project Domain: Healthtech, Energy, Gaming, Luxurious Fashion and E-commerce

Project management Tool : Jira, Test Rail, Confluence, Miro, Trello

Languages: Java, JavaScript, TypeScript, Kotlin, Swift, SQL

Debugging Tool : Charles Proxy, logz.io, Kibana, Fiddler, Sentry

Event Tracking Tool : Google Analytics, Segment, Datadog

Framework : Cypress, Playwright, Cucumber, Selenium-WebDriver, Mocha

API Automation Framework: Supertest, Postman, Karate

Android Automation Framework : Espresso

iOS Automation Framework : XCUITest

React Automation Framework : Detox

Load testing Automation Framework: K6, JMeter

IDE : XCode, Android Studio, VS Code

Supporting Library & Tools : PlayStore, Testflight, Jenkins, Gitlab,

Bitrise, CircleCI, AWS, Azure, CMS, MS Dynamics

Work History

BT Group / Web Automation QA Developer

Etc Healthcare at BT

Aug 2023 - Present, London

In my role within the Health Digital Unit, I spearheaded BT Group's pivotal digital health transformation, orchestrating innovative experiences and delivering cutting-edge health tech products and services to both NHS and private hospitals. A highlight of my contributions includes developing comprehensive end-to-end tests utilising Cypress and TypeScript frameworks, which rigorously validate multiple features crucial to our digital health initiatives. As a leader within the automation QA team, I guide a talented group of four engineers in implementing robust QA strategies and techniques, from test design to execution. Furthermore, I serve as the primary technical liaison, providing expertise and support for all testing-related inquiries. Notably, my efforts played a pivotal role in the successful delivery of key projects such as Bed Optimiser, HealthYou Clinician, and HealthYou Patient services, showcasing my dedication to driving impactful outcomes in the realm of digital health.

Tech stack: Cypress, TS, GraphQL, API's, BDD, TDD, Mobile automation, Playwright, Postman, SQL, AWS, Node, NPM, Kafka

Responsibilities:

- Designed and executed feature-based end-to-end tests, ensuring comprehensive coverage of critical functionalities
- Implemented testing methodologies to mock GraphQL/REST services, enabling efficient validation of interactions with backend systems
- Implemented test development within feature flags, allowing for controlled testing in various environments and configurations

- Created multiple types of reusable test assertions and actions, enhancing efficiency and consistency across the application's test suite
- Produced detailed test reports to provide stakeholders with clear insights into test results and overall system quality
- Identified and documented defects with precision, facilitating their swift resolution and minimising impact on project timelines
- Mentored team members on best practices in test design, execution, and defect management, fostering their professional growth and development
- Collaborating with other development and analytical teams to arrive at optimal solutions to technical challenges (UI test, Visual QA, Data QA)

Bulb Technology Ltd / Senior QA Engineer (SDET)

Sep 2021 - July 2023, London

Previously known as Bulb, Simple energy Ltd, focused on building the technology that powers the energy transition. I have a team of 6 and are responsible for delivering Bulb's core infrastructure product (Junifer- Billing and Customer care) integrated with Gentrack services. I'm also responsible for defining and executing QA strategies & techniques including Testing timeline & resource planning estimate and releasing Pod's signed-off process. I am also acting as a point of contact for technical queries within the Testing space. I also had a profound impact on successfully delivering recent UK Domestic energy Price Change, Payment Review, Pay on Receipt Bill, Cheaper Tariff Messaging API's services.

Tech stack: Selenium-WebDriver, JUnit, SQL, BDD, Cucumber, Maven,, Mobile, API, Supertest, Cypress, Mocha, Supertest, TS, Java, Azure, Kibana, CircleCI

Responsibilities:

- Led a team of QA Engineers in an Agile environment, managing both manual and automated testing for various applications. Create, enhance and maintain automation Test Scripts/framework for regression packs
- Designed, maintained, and enhanced automation test scripts and frameworks for regression testing and comprehensive testing coverage
- Develop and executed performance and load testing scripts using K6, LoadRunner, Jmeter etc to ensure application stability and scalability
- Produced daily progress reports with metrics and defect status updates for stakeholders.
- Delivered daily progress reports inclusive of metrics and defect status updates, providing stakeholders with real-time insights into testing

progress and quality. Writing automation test scripts to classify critical and non critical tests

- Participated in daily stand-up, sprint planning, retro, 3 amigos meetings
- Leading and guiding the test team through coaching and mentoring, set and review individual and team objectives based on internal framework.
- Planning various test scenarios to detect bugs, classify the errors on the basis of their severity and priority.
- Managing the signed-off process for the client by coordinating the across teams (Opps, Comms, Revenues, Billing) to ensure the product release as per schedule.
- Collaborating with other development and analytical teams to arrive at optimal solutions to technical challenges (UI test, Visual QA, Data QA)

Drest Ltd (Client: Gucci)/ Senior QA Engineer

June 2020 - Aug 2021, London

As the Senior QA Engineer reporting to the Engineering Manager, I was responsible for analysing, planning, and delivering the entire test cycle of a flagship product for iOS and Android, including regression and releases signed-off. Additionally, I played a key role in the successful delivery of projects such as Gucci VIP wardrobe, Style a Look, and Digital Selfie Avatar.

Tech stack: Mobile, Detox, XCUI, Espresso, Cypress, GraphQL, Apollo, Postman, Selenium, AWS

Responsibilities:

- Developing and executing test plans (Regression, Smoke, Sanity, Exploratory, E2E testing) for both back-end services (APIs) and front-end (Mobile and Web apps) applications
- Planning and preparing BDD format feature files based test cases based on specification documents and business user interactions
- Feasibility study for automating test cases to classify critical and non critical tests
- Automated test cases using Cypress and JS for Web, Detox and TS for mobile automation resulting a 50% reduction in test execution
- Planning various test case scenarios to detect bugs, classify the errors on the basis of severity and priority
- Involve in quarterly roadmap & team resource planning to present the QA team availability, workload and capacity to deliver the upcoming product and possible impact on delivery
- Managing release sign off process and producing release notes to internal and external stakeholders

- Collaboration with other engineering (UX/UI) and analytical (BI-Data Science) teams to arrive at optimal solutions to technical challenges (UI component test, visual QA etc)

Babylon Healthcare Ltd (eMed) / QA Engineer

Oct 2018 - May 2020, London

I proactively increased automation coverage to 70%, resulting in a 50% reduction in manual testing efforts. This allowed us to shift our focus to exploratory testing and ensure that our products were delivered with the highest quality. Our biggest successful products such as NHS GP at hand, Babylon US, Health Check monitor device, Talk to a doctor, Ask Babylon (relevant health and Triage information) were among those that Babylonians can be proud of.

Tech stack: Selenium- WebDriver, Cypress, Mobile, XCUI, Postman, API

Responsibilities:

- Developing and executing test plans, test cases, scripts for custom software products involving both back-end services and front-end mobile & web-based GUIs for health care applications.
- Experience testing applications that integrate with other systems through RESTful API's.
- Analysing User requirements and based on executing and recording the results of tests (Functional and Non functional) to validate the expected functionality of the applications and that also align with the company's set of standards.
- Experience in handling defects through defect management life cycle and recording in Jira
- Provided continued maintenance and development of bug fixes and patch sets for existing applications

Client: Cath Kidston Ltd / QA Engineer

Nov 2017 - Sep 2018, London

Reporting to the QA manager, I was a part of the testing team for the retail e-commerce web application dealing with sale of women/kids' apparels, fashion accessories and furniture via online & mail order purchases. I was responsible for analysing requirements, creating & executing test plans and running regression, exploratory and sanity test packs across all the platforms. Liaising with developer and Product to identify early issues in product development.

Responsibilities:

- Prepared product release test lists (requirements), test cases and test scripts based upon specification documents and business user interactions
- Managing the viability, functionality and effectiveness of the QA environment by utilising test automation and regressions.

- Designing and maintaining automated testing script
- Logging and tracking the defects using JIRA, and reporting, follow-up and issue resolution

Client: NHS GP Portal / QA Analyst

April 2016 - Oct 2017, London

Reporting to the QA manager, I was a part of the testing team building a health care application that analyses patient’s vital signs in which doctors can access remotely. I was responsible for analysing requirements, creating & executing test plans and running regression, exploratory and sanity test packs across all the platforms. Liaising with developer and Product to identify early issues in product development.

Responsibilities:

- Preparing data as required for large volume data validation.
- Testing on back-end (admin portal/clinical) data processing applications.
- Managing the viability, functionality and effectiveness of the QA environment by utilising test automation and regressions.
- Providing scope, resource and time estimates for creation and execution of tests.
- Logging and tracking the defects using JIRA, and reporting, follow-up and issue resolution.
- Analysing test results and creating bug reports as per severity and priority

Education

Heriot-Watt University/ M.Sc in Financial Services & Technology

Dec 2021 Edinburgh, UK

Core Modules: Finance, Quantitative Methods, Credit Risk Management, Derivatives, Financial Risk Management, Strategic Management, Financial Information Systems, Database Management, Information Technology

Anglia Ruskin University/ BSc in Business and Information Technology

Dec 2013 London, UK

Core Modules: Finance, Statistics, Mathematics, Algorithm and Data Structure, Economics, Business Strategy, Data Analytics, , Web development, OOP, System Analysis and design, Project Management

Awards

Prince 2/ Foundation Certificate in Project Support Office

June 2016 London, UK

This is a foundation program for supporting a technical project in the space of business analytics and processes. Scope of this course is reasoning CSF’s and

Performance metrics in terms of resource utilisation and upscaling automation.

ISTQB/ Certificate in Software Development & Testing

Sep 2018 London, UK

This is a certification of achievement in line with the British Computer Society (BCS) codes and practices in the software development process.