

Ian Hamilton

Test Architect /
Automation Lead

Ian Hamilton BSc (Hons)

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Areas of Expertise

- ★ Providing leadership, strategies, guidelines and industry best practices in the field of Quality Assurance & Test Automation.
- ★ Supporting organizations in the transition to Agile testing practices.
- ★ Supporting & Enabling Continuous Integration and Delivery by providing robust, low maintenance, and easy-to-use test automation frameworks for Web, Mobile, and API applications in a wide variety of languages.
- ★ Extensive knowledge of Scrum, Kanban, XP, SAFe and Agile development practices including TDD and BDD.
- ★ Automated testing at scale in the cloud utilizing BrowserStack or Sauce Labs.
- ★ A deep understanding of DevOps and Continuous Delivery tools such as Jenkins, Docker, and Kubernetes.
- ★ Building tools & packages to support testing and automation.

Experience

Emirates Airlines / Senior Quality Engineer / Test Automation Lead

JAN 2018 - PRESENT, Dubai, United Arab Emirates.

- Hands-on technical leadership, defining/driving test strategies, guidelines and best practices across the Web, Middleware, and Mobile Application teams.
- Assist in the process of Continuous Integration and Delivery by removing slow, fragile, and unmaintainable automated tests and replacing them with isolated, robust, clean, and low maintenance front end (UI) and backend (API) tests that form part of our pull-request and deployment pipelines.
- Introduce Sauce Labs continuous delivery platform to enhance/enable cloud based continuous testing at scale for our Web and Mobile Applications.
- Introduce consumer driven contract testing to web and mobile teams using pact as a way to ensure that our microservices can continuously communicate with each other.
- Promote and encourage collaboration within Agile by introducing Behavioral Driven Development (BDD).
- All aspects of recruitment, from writing job specifications, through to hiring/on-boarding.

Technologies Used: iOS, Swift, XCUI Test, Android, Kotlin, Espresso, Ruby, Fastlane, webdriver.io, Mocha, Jest, NodeJS, React, Typescript, Java, RestAssured, Pact, Sauce Labs, Docker, Kubernetes, Scala, Gatling.

Red Hat / Test Automation Lead (Contract)

MAY 2017 - JAN 2018, Newcastle, United Kingdom.

- Provide Quality Leadership and oversee all aspects of testing, including establishing metrics, and applying industry best practices in the field of Test Automation.
- Creation of tools and nodeJS based test automation frameworks using webdriver.io.
- Creation of Scala-based performance test suites using Gatling.
- Work closely with DevOps Engineers to assist in the process of continuous integration pipelines to enable continuous delivery of the developer.redhat.com website.

Equal Experts / Senior Test Automation Engineer (Contract)

MARCH 2017 - MAY 2017, Newcastle Upon Tyne, United Kingdom

- Based on-site at HMRC, I was the key point of contact for all QA aspects of releases.
- Lead and Mentor QA Teams.
- Develop Automate Scala-based UI, API, and Performance Test frameworks.

Red Hat / Test Automation Lead (Contract)

OCTOBER 2015 - MARCH 2017, Newcastle Upon Tyne, United Kingdom

- As above.

HMRC / Test Automation Specialist (Contract)

JUNE 2014 - OCTOBER 2015, Newcastle Upon Tyne, United Kingdom

- Worked on-site at HMRC as a hands-on Automation Lead; working on HMRC's new scala based Digital Tax Platform. My initial responsibility was to assess the current test automation strategy recommending a complete over hall of automated testing across all teams in Newcastle (~15 teams).
- Designed, built, and managed a maintainable Scala-based automated test suite to maintain quality and consistency covering functional, regression, penetration, and performance tests.
- Encourage better cross-team collaboration by introducing BDD concepts such as Three-Amigos and cucumber to support better communication.

BBC / Test Automation Lead (Contract)

AUGUST 2013 - JUNE 2014, Media City - Salford, United Kingdom

- Hands-on test automation lead; working on the all-new iPlayer TV mobile app for Android and iOS my responsibility was to champion the Behavioral Driven Development (BDD) process of the development team consisting of Business Analysts, Product Owners, Scrum Masters, Developers and manual QA Engineers.
- Build a reliable; easily maintainable Ruby-based Calabash/Cucumber test pack for iOS and Android devices (**First ever native automation framework for mobile at BBC**), and set up Jenkins jobs to enable continuous integration.

Skrill (PaySafe Group) / Test Automation Lead (Contract)

JANUARY 2013 - AUGUST 2013, Remote -Europe-wide.

- Leading a team of manual/automated test engineers my responsibility was to initially to define an automated test strategy and subsequently design, build, manage and deploy an easily understandable, low cost, low maintenance Ruby/Watir-WebDriver based automated test suite.

BBC / Senior Developer in Test (Contract)

OCTOBER 2011 - JANUARY 2013, Media City - Salford, United Kingdom

- Worked within a greenfield Agile team on the all-new responsive web application for BBC iPlayer Radio.
- Implemented (at the time) bleeding-edge automated test frameworks for responsive web applications using real mobile devices (**first ever for BBC**), and setting up Jenkins jobs to support continuous integration.

The Hut Group / Test Automation Engineer

APRIL 2011 - OCTOBER 2011, Cheshire, United Kingdom

- Working within an Agile Kanban team on a range of web E-Commerce and Media applications; performing all aspects of quality assurance; including setting up the first-ever java-based selenium-webDriver framework in order to reduce time to market.

Nokia (Ovi Maps) / Test Automation Engineer

AUGUST 2010 - APRIL 2011, Berlin, Germany.

- Working within an Agile Scrum team I performed all aspects of Quality Assurance, including manual exploratory feature testing, as well as then creating automated tests in order to reduce our weekly regression cycles from 3 days to one.

EMCC Software Ltd / Test Engineer

AUGUST 2007 - APRIL 2009, Salford, United Kingdom.

Education

Northumbria University / BSc (Hons) Computer Science (Class: 2 ii)

2003-2007, Newcastle Upon Tyne, United Kingdom.

ISTQB / Foundation Certificate in Software Testing.