Ian Hamilton

Automation Principal

Ian Hamilton BSc (Hons)

Dubai, United Arab Emirates.
Email: ian.ross.hamilton@gmail.com /
Website: https://ianrhamilton.github.io/
Phone: +971585809506

Areas of Expertise

★ Providing leadership, strategies, guidelines, and industry best practices in the field of Quality Assurance & Test Automation.

★ Proficient and industry experience in multiple programming languages, including (but not limited to) NodeJS, TypeScript, Swift, Kotlin, Java, Groovy, and Ruby.

★ Supporting & Enabling Continuous Integration and Delivery by providing robust, low maintenance, and easy-to-use fit-for-purpose test automation frameworks for Web, Mobile, and API applications in a wide variety of languages and open-sourced tools.

★ Extensive knowledge of Scrum, Kanban, XP, SAFe, and Agile development practices including TDD and BDD.

★ Automated testing at scale in the cloud utilizing AWS, BrowserStack, and 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.

★ Excellent communication skills, building great relationships with internal and external stakeholders in complex multi-vendor programs.

★ Strong team player, with problem-solving and negotiation skills, and the ability to meet deadlines and handle simultaneous requests with competing priorities.

Experience

Du Telecom (Emirates Integrated Telecommunications Co) / Automation Principal
APR 2022 - PRESENT, Dubai, United Arab Emirates.

- Design and implement an Automated test Strategy and process to empower Continuous Integration and Delivery.
- Select, implement, and utilize best-fit frameworks and tools for Automated testing across our Web & Mobile, and Backend Microservices channels.
- Working alongside the DevOps Principal to define and outline a shift left process and best practices and lead the evaluation and selection of a cloud infrastructure and device cloud vendor (AWS) that will enable us to achieve our shift left goal.
- Continuous collaboration with Security and Compliance teams to ensure the highest standards of the QA process in a highly regulated region.
- Lead a team of offshore SDETs (Software Engineers in Test) and contribute by being hands-on with day-to-day technical tasks.
- Work across engineering to inject testing earlier into the software development process and advocate for practices associated with "Shifting left" and drive the adoption of best practices in code health, testing, testability, and maintainability (such as clean code and the test pyramid).

Technologies Employed: iOS, Android, React Native, Detox, Typescript, webdriver.io, Jest, Cucumber, Java, RestAssured, Pact, Gatling, Docker, Kubernetes, GraphQL.

Emirates Airlines / Test Automation Lead
JAN 2018 – APR 2022, 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 to ensure that our microservices can continuously communicate with each other.
- Promote and encourage collaboration within Agile by introducing Behavioral Driven Development (BDD).

Technologies Employed: iOS, Swift, XCUITest, 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 Quality Engineering, including establishing metrics, and applying industry best practices in the field of Test Automation.

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.

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.

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.

Skrill (PaySafe Group) / Test Automation Lead (Contract)
JANUARY 2013 - AUGUST 2013, Remote -Europe-wide.
- Leading a team of manual/automated test engineers working on greenfield 'My Account project'.

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.

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.

Nokia (Ovi Maps) / Test Automation Engineer
AUGUST 2010 - APRIL 2011, Berlin, Germany.
- Working within an Agile Scrum team on a testing Ovi Maps on a range of S60 devices.

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.