# Summary

Detail-oriented, and forward-thinking, with 27 years experience in the field of Quality. --- I combine the disciplines of test engineering, DevOps, exploratory testing, test management and quality assurance to provide a more rounded contribution than simply testing. 10 years total commercial experience of building test frameworks and coding API, UI and performance tests. Ensure maximum value, by ensuring tests are included in CI/CD pipelines. Expertise in challenging environments, and contributing improvements to the process of achieving testing goals and objectives. Frequently involved in DevOps and business decisions, and have mentored both technical and business members of team, to engage more with the quality process.

# Highlights

* Experience in test engineering in multiple languages
* Leading teams in adopting quality as part of way of working.
* Mentoring less experienced testers in test engineering.
* Extensive experience in web and mobile test automation.
* Working with Development and DevOps teams to improve CI.
* Involving the business more directly with quality process.
* Working knowledge of: Python, Kotlin, JavaScript, C#, Java, Swift, Bash, PHP, Ruby.
* Introducing non-functional testing as standard practice.
* Agile, Scrum, BDD, and Kanban project experience.

# Timeline

## Contract Work

### Lead SDET at bet365

December 2022 — October 2023

Project: Rework of Android app and new iOS app version.

* Test framework proofs of concept for UI/API testing for Android, iOS and Web apps (migration from Appium/Selenium frameworks)
* Espresso/Kotlin test framework & test development
* iOS Swift/XCUITest test framework & test development
* Skills transfer to test teams
* Bash shell script development for ease of running device tests in Saucelabs.
* Azure pipeline development for CI test runs and reporting.

### Lead SDET and Quality Assurance at Ceta Insurance Ltd

January 2022 — September 2022

Project: Major refactoring web projects across the Ceta Insurance brand

* High level test automation strategies
* Test framework PoC and implementation for UI and API testing (Cucumber/Playwright and RestSharp frameworks)
* Load/Performance test and monitoring framework development for Production sites.
* Azure pipeline development for CI test runs and reporting.
* Support for Scrummaster on introducing Agile processes, including the business side.

### Lead SDET/BDD Strategist at CGI

November 2020 — October 2021

Project: BDD-driven project for a Flutter-based banking app, utilising "Backend for Frontend" (BFF) to organize the microservice architectures and coordinate functionality across the system (including third-party API's).

* Lead SDET across 4 Scrum teams.
* Test framework PoC and implementation.
* High level test automation strategies centered around BDD principles.
* JMeter framework for API Load testing with extensive reporting.
* Flutter Driver/Dart test framework architecture and implementation. C#/Specflow/RestSharp test framework architecture and implementation. Extensive use of Bash scripts and Azure pipelines to streamline the testing process.
* Service virtualization of third-party API's.
* Implementing continuous testing in the CI pipeline.
* Setup of BitBar cloud device testing,
* Mentoring test engineers.

### Quality Assurance Specialist at DocComs

April 2020 — August 2020

Project: Mobile app startup project, aimed at improving communication between doctors about patients.

* Responsible for overall Quality assurance.
* Coding API and App UI test frameworks for testing Android and iOS version of app (C#/Appium/XCUITest/XCTest).
* Browserstack integration for cross-device testing.
* API load testing using JMeter .
* Implementing SonarQube for code-level security testing.
* Implementing Specflow as part of drive towards BDD approach.

### Lead SDET at Engine | Transformation

June 2019 — October 2019

Project: A feature-rich civil service training and career development web and mobile app (Ruby-on-Rails).

### Lead AI Quality Engineer at Tele2

September 2018 — March 2019

Project: Custom Mobile AI Chatbot, developed with Python and using the IBM Watson service.

### Lead SDET at Transform UK

June 2017 — July 2018

Project: Drupal/NodeJS app to manage partnerships between businesses and local authorities.

### Lead SDET at i2N

December 2016 — April 2017

Project: AngularJS web/mobile application to manage nationwide young offender placements.

### Lead SDET at Transform UK

June 2016 — December 2016

Project: Java/AngularJS application for NHS Training and Education management system.

### Lead SDET at Wowcher

January 2016 — April 2016

Project: AngularJS/Node app for voucher management and sales.

### Lead SDET at TNT (Netherlands),

July 2015 — November 2015

Project: AngularJS web app aimed at improving user experience for TNT customers.

### Lead SDET at Hiveworks

March 2015 — June 2015

Project: Drupal/Node/ElasticSearch CMS web application, aimed at providing content for external users, and means to manage content for Orange brand teams.

### Lead SDET at Transform UK

December 2015 — March 2015

Project: Symfony2 (PHP) application for a Civil Service Resourcing job application management.

### Lead SDET at Transform UK

September 2013 — November 2014

Project: PHP/AngularJS application for OPG (Office of the Public Guardian) case and task management system, for customers seeking power of attorney.

*Employment history 1997-2013 is available upon request*

## Service-based Work

### Accessibility Specialist at jaffamonkey Ltd

Providing Accessibility audit service for startups following compliance process, covering web and mobile apps. Clients are mostly health app startups who are following compliance requirements required for NHS approval. The audit consists of manual and automated activities commonly covering WCAG 2.2 Level AA (alongside UAAG 2.0 for additional mobile-specific coverage). I also provide clients with tools such as screenreader test automation and CI (a11y) tool integrations, with ready-to-go full setups, along with a final Accessibility Statement.

Client 1: A multi-tenant platform to collaborate and create/share content with partners and stakeholders across different healthcare organisations.

Client 2: Established service that develops products and services to make life easier for people with deeply personal and private medical conditions.

Client 3: An AI medical technology company dedicated to developing AI medical products intended for disease screening and diagnosis, disease intervention and treatment, patient management and medical research, for full-hospital deployment serving physicians from multiple departments.

Client 4: A health service offering online consultations and home health-testing services and non-NHS medical letters – removing the need for a GP appointment.

Client 5 A CQC-regulated fully online chronic pain clinic, offering evidence-based treatments for chronic pain (including those not available on the NHS, including medical cannabis).

Client 6: A software enables businesses and organisations with complex workflow needs to efficiently store, manage, distribute, and re-use digital files.

# Technical skills

## Programming languages

Python, Kotlin, TypeScript, JavaScript, C#, Java, Swift, Bash, PHP, Ruby.

## Test frameworks

Jest, Cucumber, Nightwatch, Behave, Protractor, Behat, JUnit, Jasmine, WebdriverIO, CasparJS, PHPUnit, Mink, Fitnesse, Selenium, Playwright.

## Mobile test frameworks

Appium, Flutter Driver, XCUITest, XCTest, Calabash, Browserstack, Kobiton, Xamarin UITests, Espresso.

## Other Test Tools

JMeter, Artillery, OWASP ZAP, Pa11y, Superagent, Postman, Wiremock.

## DevOps

Azure, AWS, TravisCI, Jenkins, GitHub, BitBucket, TFS, VMWare, VirtualBox, Docker, Vagrant

## Development frameworks

Dart, Ruby on Rails, Angular, Node, React, Spring, Drupal, Symfony2, Zend2, MVC

# Qualifications

BTEC HND Computing (Prince, SSADM, C++, COBOL, Computer Architecture, Business Analysis)