

PERSONAL INFO

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SUMMARY

Detail-oriented, reliable, and forward-thinking, with over 20 years experience in the field of Quality on many Agile projects. 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 a challenging environments, and contributing improvements to the process of achieving project 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..

KEY SKILLS

- Quality Engineering
- Test Management
- Test Architect
- Team coaching
- Remote working

HIGHLIGHTS

- Experience in test engineering in multiple languages (**JavaScript**, **Python**, **PHP**, **Ruby**, **Java**, **C#**)
- Leading teams in adopting quality as part of way of working.
- Mentoring less experienced testers in test engineering.
- Ensuring testing process in line with Development and DevOps.
- Involving the business more directly with quality process.
- Proactively promoting quality as means to measure success.
- Improving quality in **CI**.
- Introducing non-functional testing as standard practice.
- **Agile**, **Scrum**, **BDD**, and **Kanban** project experience.

EXPERIENCE

Engine | Transformation

(Jun 2019 to Oct 2019)

Role: Lead SDET

Project: A feature-rich training and career development **Ruby-on-rails** web app for civil service recruitment.

Activities:

- Developing acceptance **CucumberJS** UI/API test framework within a **Ruby-on-rails** app.
- Mentoring a small team of internal testers.
- Educating team on how to bring in quality to a general way-of-working.
- Building frameworks for **Load**, **Security** and **Accessibility** testing.
- Training BA's on using Specification by Example approach to requirements.
- Maintaining tests in **CI/CD**.

Tele2

(Sep 2018 to Mar 2019)

Role: Lead Quality Engineer

Project: Custom **AI** Chatbot, developed using **Python** with **IBM Watson** service

Activities:

- Developing **Python** framework to bulk test **IBM Watson** Chatbot API.
- Creating over 40k training/test sets.
- Maintaining **Jest** framework to test web administration app.
- Leading testers working on the public-facing web and mobile apps.
- Implementing **load** and **security** tests on **CI**.
- Devising **Test strategy** and presenting to the business.

Engine | Transformation

(Jun 2017 to Jul 2018)

Role: Lead SDET

Project: **Drupal/Node** application to manage partnerships between businesses and local authorities.

Activities:

- Developing **CucumberJS/WebdriverIO/Appium** test framework.
- Devised Test Strategy for both internal and external audience.
- Building **accessibility** and **security** test frameworks.
- Load testing using **jMeter**, with a dashboard for reporting.
- Migrated test framework to use **Nightwatch**, as part of handover
- Maintaining tests in **CI/CD**.

i2N

(Dec 2016 to Apr 2017) **Role:** Lead SDET

Project: AngularJS application to manage nationwide young offender placements.

Activities:

- Developing and maintaining UI/API test framework (CucumberJS/Protractor).
- Devised Test Strategy, for both internal and external audience.
- Mentoring BA's to follow specification by example.
- Integration of automated acceptance, security and accessibility tests into CI/CD.
- API load testing with JMeter.

Engine | Transformation

(Jun 2016 to Dec 2016)

Role: Lead SDET

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

Activities:

- Developing and maintaining UI/API test * framework (CucumberJS/Protractor).
- Providing guidance to the team, on how to follow a BDD approach.
- Training PO's writing user stories in a specification-by-example style.
- Outlined BDD project process for both internal and external audience.
- Integration of automated security and accessibility testing into CI/CD pipelines.

Wowcher

(Jan 2016 to Apr 2016)

Role: Lead SDET

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

Activities

- Development of OS-independent CucumberJS/Protractor framework.
- Coding data-independent UI and API user journey tests.
- Mentoring and leading other test engineers, bringing them up to speed using CucumberJS/Protractor.
- Devising strategy for integrating automated acceptance tests into build pipeline.
- JMeter API load testing

TNT

(Jul 2015 to Nov 2015)

Role: Lead SDET

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

Activities

- QA Process improvements from requirements through to CI.
- Maintenance and improvement of **Cucumber/Protractor** UI/API test framework.
- Integrating BDD tests **CI** and **CD**.
- Mentoring PO and BA's in writing requirements in **Gherkin** format.
- Visual regression testing, based on UX designs.
- **JMeter** API **load** testing.

Hiveworks

(Mar 2015 to May 2015)

Role: Lead SDET

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

Activities:

- Rapidly improving test coverage during project final phase.
- Maintaining/extending BDD test suite (**Behat/Mink**).
- Process improvement to enable better issue management lifecycle and traceability.
- Creating cross-browser framework using **Selenium** Grid.
- Implementation of **PhantomJS/CasperJS** app for visual regression testing.

Engine | Transformation

(Dec 2014 to Mar 2015)

Role: Lead SDET

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

Activities

- Providing Quality assurance for project from inception
- Devising **BDD** Strategy for team to follow.
- Achieved 100% automated test coverage for all features for every platform release.
- Implementing **Behat** test framework, fully integrated into a **Symfony2** bundled app.
- Integration of tests in the build pipeline, to ensure requirements kept in focus.
- Regular workshop with the Product Owners, to adopt specification by example.

Engine | Transformation

(Sep 2013 to Nov 2014)

Role: Lead SDET

Project: **PHP/AngularJS** application for OPG (Office of the Public Guardian) case and task management system, for customers seeking power of attorney. This was replacing an old manual system, with

intention of improving turnaround times, and information sharing internally.

Activities

- Strategic leadership in overall testing approach.
- Devising **BDD** strategy and exploratory test approach
- Mentored and trained team members on BDD methodologies, tools, and techniques.
- Developing **Behat** UI/API testing framework.
- Introducing load, accessibility and security testing as standard practice.
- **Gherkin** training and mentoring for Product Owners.
- Maintaining scenario-driven tests for **CI** pipeline.
- Maintaining tests in **CI/CD** pipelines.

KPMG

(Apr 2011 to Dec 2012)

Role: Test Manager

Project: Test Management and testing on multiple **C#** web-based tax, finance and public sector projects.

Activities:

- Process improvement for testing on Agile and **BDD** projects.
- Maintained a common risk-based test strategy, and individuals test plans.
- Test automation strategy for **load** and **regression** testing.
- Coding functional and non-functional tests using **Visual Studio** test tools.
- Developing **Specflow** test framework for **BDD** projects.
- Writing **BDD** features alongside Business Analysts.
- Devised **Security** Testing strategy to be used across projects.
- Coordinated monthly regression tests of all departmental websites.

Digital Jigsaw

(February 2011 to Apr 2011)

Role: Test Manager (Holiday Cover)

Project: MyVodafone customer account app (with dynamic hotspot locator/connector) for **Android**, **iPhone** and **Blackberry**.

Activities:

- Vodafone VIP site maintenance.
- Maintaining existing test plans, and testing releases of mobile applications.
- Testing reviews with client representatives at Vodafone, and the in-house testing team.

Experience pre-2011 available upon request

TECHNICAL SKILLS

Frameworks

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

Databases

SQLServer, PostgreSQL, MongoDB, MySQL

Test Frameworks

Jest, Cucumber, Protractor, Behat, Appium, JUnit, Jasmine, WebDriverIO, CasparJS, PHPUnit, Mink, Fitnesse, Selenium

Other Test Tools

JMeter, Artillery, OWASP ZAP, Pa11y, Superagent

DevOps

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

Project Management

Jira, Confluence

QUALIFICATIONS

Huddersfield University

BTEC HND Computing (Modules: Project Management (Prince2), Business Analysis, System Analysis and Design, Computer Architecture, C, C++, Cobol)

LANGUAGES

- English (Native)
- German (Basic)
- French (Basic)