



ROLE PROFILE

Software Developer in Test / Automation Tester

Why do we have this role?

Resonate's vision is to create a truly connected rail network, using our deep technology expertise and rail industry experience to deliver game-changing solutions that meet transport challenges across the UK and beyond. We are a company that is excited by the possibilities offered by technology and are driven by improving experiences for passengers globally.

We have consistently innovated to create a market-leading product, delivering high levels of automation into complex operational environments. We continue to evolve our offer and recently integrated our technology with our own Traffic Management System; an operational and technical first. Our service offer will continue to grow, taking advantage of cloud, data analytics, edge computing and IT/OT integration models.

We are looking for a driven individual to undertake feature-driven testing of complex web-based applications. This will involve a range of functional and non-functional, manual, and automated testing, plus analysis and presentation of large data volumes.

But that's not all... We will be looking for you to contribute to and help shape our progression with testing in an agile development environment, helping to implement test automation and other new and emerging QA practices - further improving both how and what we deliver.

What are the key objectives?

- Participation in sprint pre-planning and planning to identify appropriate test cases for user stories being developed during the current sprint
- Identification and communication of data requirements to support testing
- Input into requirements for test environments
- Execution of tests in a manner that minimises cost, time, and undesirable impact
- Creation of automated tests wherever possible
- Maintenance of existing automated tests and automated testing frameworks
- Raising of issues, defects, and observations to highlight errors in systems under test
- Re-testing defect fixes and regression testing
- Communication of problems and issues to the project team in a timely manner and of a quality to ensure fixes are resolved and turned around in a short space of time
- Production of testing guides and documentation
- Identifying innovative solutions to solve complex test problems
- Assist in training/mentoring of team members: Testers, Developers, and Business Analysts

Key Internal Relationships

1. Digital Development Managers
2. Development teams
3. Product/Business Analysis team
4. Infrastructure/DevOps team
5. Deployment team

Essential Qualifications / Competencies / Skills / Experience

- Experience with Agile, Behaviour Driven Development and Test Driven Development





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- Ability to work closely with Developers and other members within our Software community
- Understanding of software development lifecycles and software testing principles; test plans, test cycles, and software releases
- Excellent written and verbal communication and teamwork skills
- Automated testing of web-based applications
- Familiarity with:
 - Java or JavaScript
 - JUnit or Jasmine (or similar) for unit testing
 - Cucumber (or similar) for BDD testing
 - Selenium or Protractor (or similar) for automated web testing

Highly Desirable Qualifications / Competencies / Skills / Experience

- Ability to create automated testing frameworks from scratch
- Knowledge and experience with Continuous Integration, Continuous Build and Continuous Deployment Practice, Tools, and trends
- Linux skills, including Bash scripting
- Understanding of messaging-based architectures
- Knowledge of software code development
- ISTQB/ISEB certified in Software Testing

Our Values and Behaviours

At Resonate it's the 'how' we do things together with the 'what' we do that differentiates us. We want our people to engage with our vision and display our values and behaviours in their day-to-day activities.

We have adopted a flexible, hybrid approach to work location - talk to us about your preferences. If your role is based at one of our offices, you will still have the opportunity to work from home and may also be required to do so. This may be on a permanent basis (full or part-time) or at such times as the Company may require, for example in an emergency or pandemic context.

