ROLE PROFILE
System Integration Test Analyst

Why do we have this role?
Resonate specialise in providing mission critical systems and data science led solutions, primarily in the transport industry. We possess a blend of strong technical skills and domain expertise and are now looking for System Integration Test Analysts who are passionate about systems testing (breaking them…) in transformative digital projects that exploit high volume and live data. What we do is challenging and definitely not just website testing!

We are leading the way in deploying digital technology into the rail market both in the UK and internationally. We have invested in building a technology stack that provides innovative traffic management capability alongside our established signalling control solutions, or with other systems. These powerful systems support transport providers with value adding solutions, upgrading their assets and improving performance and capacity.

As a System Integration Test Analyst, you will be working with talented teams of front and back end practitioners, designers, developers, and QA, with the challenge being to help us employ best practice to test our industry-leading software and systems within fast-paced, highly flexible teams – all whilst growing personally and professionally.

Core Objectives
- Pre-planning and planning to identify appropriate test cases for user stories being developed during the current time box
- Understand how different component interact with each other in a complex software and hardware architecture
- Delivering Quality Assurance governance across all test phases
- Identification and communication of data requirements to support testing
- Input into requirements for test environments
- Creation of test plans
- Execution of tests in a manner that minimizes cost, time and undesirable impact
- Creation of automated tests where appropriate
- Raising of issues, defects and observations to highlight errors in the system under test
- Retesting 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
- Ability to pick up new tools and techniques quickly
- Identifying innovative solutions to solve complex test problem

Top Internal Relationships
1. Software Development Director, Programme Realisation Director, SCRUM Master
2. Development teams
3. Infrastructure/DevOps team
4. Deployment team

Technical Requirements
Essential Experience:
- Experience with Agile and Test-Driven Development

- Understanding of software development lifecycles and software testing principles; test plans, test cycles, and software releases
- Understanding of networking infrastructure
- Linux skills, including Bash scripting

Desirable:
- An interest in automation testing (using tools such as Cucumber, Selenium, etc.)
- Experience with Continuous Integration, Continuous Build and Continuous Deployment Practice, Tools and trends
- A desire to deliver continuous improvement into the testing processes
- Understanding of safety critical systems
- Understanding of messaging-based architectures
- Knowledge of software code development
- ISTQB/ISEB certified in Software Testing desirable

Personal Requirements
- Thrives in fast paced, challenging and ambiguous environments
- Resilient, positive communicator, who is driven to solve business challenges with technology
- Ability to build a strong rapport with a variety of stakeholders
- Capable of understanding complicated scenarios and drive appropriate technical response
- Excellent written and verbal communication and teamwork skills
- Flexibility to work across delivery streams

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 display our values and behaviours in their day-to-day activities. Therefore, we want you to show us that you are:

Rigorous, e.g.
- The customer is at the heart of all we do
- We apply our expert technical knowledge to deliver value for the customer
- We are accountable for our actions

Bold, e.g.
- We are insatiably curious and turn that curiosity into value for the business and our customers
- We challenge conventional thinking and encourage others to question it too
- We take the right risks

Determined, e.g.
- Delivering for our customer drives us
- We are OK with ambiguity and understand what is required to adapt and respond to uncertainty
- We are tenacious and keep going even when things don't proceed as planned

Collaborative, e.g.
- We are great partners for our customers and the industry
- We care about the impact of our actions on others
- We achieve delivery by agreeing and working towards shared goals