

Job Description

Job Title: Senior Quality Assurance Engineer – Security & Architecture

Reporting To:	Lead QA
Responsibility for Others:	None
Location:	Horsham
Hours of Work	Monday to Friday 9.00am to 5.30pm with 1 hour for lunch
Any Special Requirements	None

Overall Purpose of the Job:

The overall purpose is to ensure quality for application security and architectural changes made to our suite of applications, built in .NET or React Typescript. You will play a key role in ensuring an excellent security posture across the system and related applications.

The work is varied (analysing requirements, contributing to overall delivery quality, writing test cases, building/extending automated regression packs), challenging, fast-paced and rewarding. Being a robust, proactive quality gate within an Agile team.

Key Activities & Responsibilities:

- Working closely with the Architecture team to add repeatable quality assurance to improved, new, and cross-cutting-concern implementations.
- To monitor and review security vulnerabilities across the application suite and contribute to their resolution.
- Play a key role in keeping quality assurance up to date with regards to the latest security and identity trends.
- Being involved when external penetration tests are performed and help analyse and raise bugs
- Analysing and helping to shape requirements
- Test planning, scripting (both manual and automated) and reviews
- Execution of tests to support sprint goals and deployments
- Act as a subject matter expert for the project area being worked on
- Document and coach on approaches for testing common/related security flaws
- Driving quality across the SCRUM team and the wider delivery community

- To stand in as the Lead QA when / if required

Required Skills/Experience:

- Experience of application security concepts, including but not limited to the latest OWASP Top 10 and common best-practices for mitigating against such attacks.
- Experience of introducing Automated Security testing tools and techniques into a CI/CD Pipeline
- Experience of modern authentication and authorisation protocols, such as OpenID Connect and OAuth2.0
- Experience with good development practices (repository management tools (git), versioning, clean code, package management)
- Ability to create automation frameworks in multiple languages (.Net and Typescript). Writing tests for web applications, RESTful API services and Pub/Sub in code.
- Experience of leading projects within a small group
- Test execution and planning
- Stakeholder Management
- Exposure to relevant testing tools (Fiddler, Charles Proxy, OWASP ZAP, Burp Suite for example)
- Working within an Agile methodology (e.g. SCRUM, Kanban)
- Strong written and presentational skills

Desirable Skills/Experience:

- CEH, CREST or OSCP certification or an interest in obtaining
- Information Security and/or Information Technology industry certification (CISA, CISSP, CISM or equivalent) or an interest in obtaining
- Foundation ISTQB/ISEB
- Financial Services
- Working within the SAFe methodology
- ASP.NET, ReactJS, Selenium
- Jira or similar

Personal characteristics:

- Open and honest
- Excellent analytical skills
- Strong interpersonal skills – able to work well with others
- Proactive and willing to take on additional responsibilities when there are clear resource gaps
- Outcome focused
- Highly motivated with an attention to detail
- Ability to manage tasks and workload – doing own work whilst supporting others
- Should be adaptable to shifting priorities and changing circumstances
- Should embrace mentoring, and learning from others