Job Description

Security Application Engineer

Reports to: Development Manager

About the job: We are looking for a cyber security specialist and ethical hacker who will come and join our Development Team, delivering software through a Secure Development Lifecycle. You will be involved in every aspect of the lifecycle from product design through software development to release, ensuring features are designed with security in mind, threats are modelled, technical designs and code are reviewed, and the release is security tested. The successful candidate will be responsible for evolving the security processes throughout, educating the team about the latest threats and best practise to allow us to identify vulnerabilities at the earliest opportunity.

About us: Zest provides the technology of choice for many of the UK's leading Benefit Consultants. Delivering modern, flexible, device independent software that is quick to set up and easy to maintain for over 2 million employees to engage with their pensions and other benefits.

Zest's flagship product for employee benefit communication, is built using state of the art technology and Agile development practices. We are focused on delivering secure, high performing and scalable software.

Zest is committed to running a Secure Development Lifecycle and is strengthening its UK software development organisation.

Our approach includes formalised:

- Product management
- Project management
- Architecture design
- Agile secure software development and QA practices

Areas of Responsibility:

- Analysis of IT systems architecture in terms of security and risk/ threat modelling
- Review proposed security features of the product with the Product team
- Automation of security testing process
- Review security aspects of requirements specifications and technical design documents
- Create detailed, comprehensive and well-structured security test plans and test cases
- Estimate, plan, coordinate and execute secure testing activities
- Carry out manual and exploratory testing

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- Design, develop and execute repeatable automation scripts
- Run, document and communicate penetration testing results per sprint
- Review and assess the results of external penetration testing, and agree corrective action
- Identify, record, document and track bugs
- Research current software security risks
- Provide software security training and support to other members of the development team

Experience Required:

- Full secure software lifecycle experience in a software house environment or large IT department
- Familiarity with the support of software products designed with SOA architecture
- Skills (mandatory):
    - Experience with code analysis and penetration testing tools
    - Agile/Scrum methodology
    - Web security knowledge
        - OWASP
        - OWASP Top 10
        - ASVS
        - CWE/SANS Top 25
    - Awareness of security standards and frameworks relevant to the SaaS industry (e.g. ISO, NIST, CSA)
- Microsoft C#
- Skills (advantageous)
    - GIT
    - Web Services WCF & REST
    - HTML/CSS web dev
    - JavaScript/JQuery
    - MVC
    - SOA
    - TDD/BDD
    -

Desirable Qualifications and Skills:

- Degree in numerate or IT discipline, minimum grade 2.2 or relevant experience
- Relevant certification in Application Security or Pen testing (CSSLP, GSSP-x, CEH, GPEN, GWAPT, GMOB)
- Excellent communications – both written and verbal
- Ability to prioritise
- Problem analysis and solution development
- Attention to detail
- Self-starter

Location & Working Hours:

- Leatherhead House, Station Road, Leatherhead, Surrey, KT22 7FG
- Normal working hours 37.5 as per T&Cs

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