



Job Description

Job Title: Software Architect, Application Security

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| Reporting To: | Principal Architect |
| Responsibility for Others: | None |
| Location: | Ashurst, Horsham and Brighton. |
| Hours of Work | Monday to Friday 9.00am to 5.30pm with 1 hour for lunch |
| Any Special Requirements | Occasional travel may be required in the UK |

Overall Purpose of the Role:

This position is part of the team responsible for the development of solutions and deployment of the Creative Technologies suite of applications and development and streamlining of processes/systems.

The role contains a particular focus on application security and related processes, helping to ensure the overall security posture of the Benchmark Capital suite of applications.

Key Activities & Responsibilities:

(This is not an exhaustive list of the duties to be performed. Job descriptions do not limit the tasks that an employee may reasonably be requested to perform. Changes in job descriptions may be necessary as the needs of the Organisation change over time.) Work within our scaled agile environment to collaborate with product owners and product managers to determine functional and non-functional requirements (and specifically security requirements) for new software or applications

- At the team lead level develop high-level Feature and Enabler specifications, aligned with security requirements, whilst assisting other members of the team with similar security guidance.
- Work closely with fellow architects and principal developers/testers to promote alignment with the Architecture Governance Framework and associated blueprints and policies.
- Input into architectural, security and engineering related policies.
- Work closely with the Information Security team to align standards, frameworks and security with overall business and technology strategy
- Contribute to the design and implementation of cloud infrastructure in Azure, providing guidance and review from an architectural and security perspective.
- Understand all aspects of development from appropriate technology and workflow to coding standards.
- Communicate successfully all concepts and guidelines to development team
- Oversee progress of development teams to ensure consistency with initial design
- Contribute to technical guidance and coaching to developers and engineers
- Ensure software meets all requirements of quality, security, modifiability, extensibility etc.
- Help to produce and maintain company-wide Secure Development Standards and apply these to the chosen Software development lifecycle.
- Help define, implement, and monitor a Secure DevOps (SecDevOps) approach.
- Monitor, identify and communicate current and emerging security trends. Coach developers, testers, and DevOps engineers in these trends.
- Identify security design gaps in existing and proposed architectures, both at application and infrastructure levels, recommending changes or enhancement.
- Perform and/or assist with vulnerability testing, risk analysis and security assessments.
- To monitor and review security vulnerabilities across the application suite and contribute to their resolution.
- Understand modern authentication and authorisation protocols and other related security standards. Help implement these across the application suite, supporting the various teams in doing so.

Required Skills/Experience:

- Proven experience as software architect, with knowledge of React, .Net and .Net Core, ASP.NET, ASP.NET Core, Azure Technologies.
- 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 modern authentication and authorization protocols, such as OpenId Connect and OAuth2.0.
- Experience of SAST and DAST tools would be advantageous.
- Experience in software development and coding in various languages (C#, .NET, TypeScript)
- Excellent knowledge of software and application design, architecture and patterns [Solid, DDD, TDD, SOA, Service Design thinking and Distributed Systems]
- Familiarity with HTML/CSS, JavaScript and UI/UX design
- Understanding of software quality assurance principles
- Understanding of security trends, at application and infrastructure level.
- General understanding of deployment patterns.
- Excellent understanding of secure software development standards and lifecycles.
- Knowledge and experience of NIST and associated standards such as FIPS 140-2
- A technical mindset with great attention to detail
- High quality organizational and leadership skills
- Outstanding presentation abilities

- Excellent interpersonal, time management and communication skills- both written and oral.
- Customer focussed and can present ideas and concepts in user-friendly language.
- Flexible and willing to work outside core business hours as required.
- Knowledge of current and emerging cloud architecture patterns.

Personal Characteristics

The ideal candidate is energetic, motivated with a 'can do' attitude, possesses good analytical and problem-solving abilities, and is keen to take on a role in a department with development and advancement opportunities. Due to the unpredictable nature of the IT industry, it is also important for this person to be willing to expand their Architecture, Software and IT knowledge, and to upgrade their skills set as and when required. Having a keen interest in application security would be hugely beneficial. The role will involve working in a small team in an environment of open information-sharing to assure cross-training and cover within the department.