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# Software Engineer

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Possessing a brilliant, problem-solving mind, develop, support and maintain enterprise grade applications written primarily on, but not limited to, the Microsoft Stack of technologies (Asp.Net, C#, SQL Server, etc.), as well as JavaScript, HTML and CSS.

Adhere to sound development practices as well as proactively support various initiatives in the team to improve application design and maintainability for our client offering.

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## Role Responsibilities

- Show high levels of intelligence in solving programmatic problems that scale, in an efficient and graceful manner
- Lead development projects
- Work on a variety of projects to write clear, clean and understandable code, applying appropriate design patterns, in a test-driven manner; developing first-class applications that meet our client needs and quality expectations
- Write unit and integration tests against application methods to ensure correct functionality
- Break down agile user stories into work tasks, estimating work effort with a high degree of accuracy
- Be part of the code review process with other team members, providing thoughtful feedback where required
- Use standard refactoring methods and appropriate design patterns to ensure code is kept in a maintainable state
- Work closely with Team Leaders and Project Managers to ensure that projects are taken from creation to completion - on time and on budget
- Ensure good communication is maintained with other team members/departments throughout project life cycles
- Actively contribute to departmental learning and standards within the team environment through involvement in presentations/demonstrations, and participate in the continual drive for collaboration and knowledge sharing within the team
- Keep abreast of the latest developments in applications development and continually develop personal software skills
- Use lateral thinking and investigative techniques to solve technological challenges on projects

## All Staff Responsibilities

- Carry out any reasonable duties as identified by your Line Manager or Team Leader
- Positively represent Burrows to our customers and suppliers
- Ensure compliance with all contractual employment obligations
- Ensure compliance with our ISO standards
- Fully participate in the company's performance management and development programmes
- Maximise own ability to produce quality work, on time, and to brief, utilising best skills and available technology
- Work in accordance with the company's Human Resources policies and procedures
- Ensure compliance with health and safety requirements

# Your Qualities as a Candidate

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You're an excellent coder with a TDD approach, consistently demonstrating a high quality of technical understanding and enthusiasm for innovation.

You have a constant desire to improve your abilities and you have a can-do approach to problem solving. You're able to prioritise workload and you're a good lateral thinker.

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## Essential Skills & Knowledge

### Personal attributes

- Possess a brilliant, problem-solving mind
- Enthusiastic about trying new technologies
- Constant desire to improve abilities
- Confident with sharing opinions
- Can-do approach to problem solving
- Customer focused
- Excellent 'people person'
- Able to multi-task within a fast-paced environment
- Good interpersonal skills
- Able to work overtime as and when required (sometimes at short notice)
- Genuine interest in application development, software and hardware technology, mobile, web, etc.

### Your experience and knowledge

Expert in:

- C#, ASP.NET MVC, WebAPI
- Test Driven Development/BDD
- Proven track record of applying Design Patterns
- IoC, SOLID, implementation of Design Patterns, etc.
- Azure/AWS, IIS, Networking
- SQL, ORM
- Git

Advanced knowledge of:

- HTML5, JavaScript, CSS

## Advantageous Non-Essential Experience

- Docker, Kubernetes,
- .Net Core
- DevOps – TFS Build, Team City, Octopus Deploy, Jenkins
- NoSQL/Document Database (e.g. Cosmos, Mongo)
- Microservices
- Highly scalable applications
- Experience with other programming languages, e.g. C++, Python, Ruby
- Android/iOS programming
- Virtual Reality/Unreal Engine/Unity
- Powershell