SUMMARY:
This role sits within the Engineering function and plays a key part in testing the Craneware desktop and web applications.

You will work closely with the QA Manager to define strategy and process, bringing automation in line with existing functional aspect of the test effort. This position is responsible for the design and development of automated testing using Team Foundation Server as an Application Lifecycle Management solution and Visual Studio’s Coded UI for functional automation. You will be responsible for creation, execution and maintenance of automated scripts. In addition the position is responsible for creating metrics and increasing test coverage using the automated systems.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
Core duties and responsibilities include the following. Other duties may be assigned.

- Implement and develop automated test practices for both web and windows applications primarily using Visual Studio’s Coded UI module for both web and windows applications.
- Design and create test scripts using C# and/or VB.NET to address areas such as database impacts, software scenarios, regression testing, negative testing, error or bug retests, or usability in preparation for implementation.
- Work with the QA Manager and colleagues to define process and strategy associated with automation.
- Identify, analyze, and document problems with program function, output, online screen, or content.
- Plan test schedules or strategies in accordance with project scope/delivery dates.
- Participate in product design reviews to provide input on functional requirements, product designs, schedules, or potential problems.

SKILLS:

- Quality - Demonstrates accuracy, thoroughness and attention to detail at all times; Looks for ways to improve and promote quality; Applies feedback to improve performance; Monitors own work to ensure quality.
- Technical Skills -Pursues training and development opportunities; Strives to continuously build knowledge and skills; Shares expertise with others.
- Initiative - Volunteers readily; Undertakes self-development activities; Seeks increased responsibilities and takes ownership of tasks at hand; Takes independent
actions and calculated risks; Looks for and takes advantage of opportunities; Asks for and offers help when needed.

- **Quantity** - Meets productivity standards; Completes work in timely manner; Strives to increase productivity; Works quickly.

- **Dependability** - Follows instructions, responds to management direction; Takes responsibility for own actions; Keeps commitments; Commits to long hours of work when necessary to reach goals; Completes tasks on time or notifies appropriate person with an alternate plan.

- **Innovation** - Displays original thinking and creativity; Meets challenges with resourcefulness; Generates suggestions for improving work; Develops innovative approaches and ideas; Presents ideas and information in a manner that gets others' attention.

- **Teamwork** - Balances team and individual responsibilities; Exhibits objectivity and openness to others' views; Gives and welcomes feedback; Contributes to building a positive team spirit; Puts success of team above own interests; Able to build morale and group commitments to goals and objectives; Supports everyone's efforts to succeed.

**EDUCATION:**
Degree in a computing related discipline; or equivalent combination of education and experience.

**EXPERIENCE:**
- Proven experience developing automated test systems using Visual Studio’s Coded UI module for both web and windows applications.
- Ability to create scripts beyond record and playback using C# and/or VB.NET. Specifically developing functions, adding control flow logic, loops etc.
- Experience working with GUI object recognition and customisation.
- Experience testing ASP.NET, .NET 2+, SQL, Windows GUI.
- Solid understanding of object oriented programming, design and debugging skills.
- Excellent understanding of software design techniques.
- Experience of source control systems and configuration management.
- Basic level knowledge of XML and RDBMS concepts.
- Experience in Agile development methodologies preferable.
- Proven ability to deliver quality results in a busy and dynamic business focused environment.