



Role Description

Role Description	Senior Software Engineer Applications-GUI
Document owner:	Chief Technical Officer
Version:	200908
Keep informed:	Senior Software Engineer Applications-GUI

1. Overview

The position has significant responsibility for designing, developing and maintaining software for our products. The role is mainly involved in applications, graphical software and data analysis using Microsoft Windows. Knowledge of other operating systems such as portable devices, embedded systems and UNIX is a benefit. Knowledge of electronics is useful.

2. Duties and responsibilities

2.1. General

- Develop application and GUI software covering the full software life cycle. Capture customer/user requirements, then design, develop, test and maintain software, including the release process, version control of software releases, and bug management.
- Manage complex software projects; plan, track and manage development tasks. Work to deadlines and adapt plans as necessary to meet project objectives. Manage internal and external resources. Coordinate and work collaboratively with other OxTS departments to successfully achieve delivery of software projects and products.
- Develop and use company procedures, processes, and consistent styles. Adhere to coding standards when developing software. Maintain software traceability, update software documentation, use version control for all software and document changes.
- Have an excellent knowledge of C++ and C# programming languages, WPF and XAML; the objects in programming libraries, including .NET and class libraries, windows operating system and how it interacts with the software environment. Have an excellent knowledge of objects, decomposition of a software project into objects, and object re-use across projects.
- Specify, install, use and maintain tools and technologies (e.g. development environments) needed for software development.
- Investigate ideas, suggestions and problems related to existing and new software products raised by OxTS staff, reps and customers, communicating and responding to ensure issues are resolved promptly and appropriately.
- Identify opportunities, develop proposals and make plans for innovation and improvement in existing or new software products, based on a good understanding of the OxTS products and how they combine inertial navigation and GNSS for application in OxTS markets including the Survey, Marine and Automotive markets.

3. Revision History

Revision	Changes
200908	Rebranded and Technical Director changed to Chief Technical Officer, no content changes - JC
191125	TY Approved Amendments
191111	Reviewed - Amended Revision History Added