# Campbell Scientific Limited

**JOB DESCRIPTION:  Lead Software Engineer**

**Reporting to:        Head of Innovation**

## Job Role

As an enthusiastic and self-motivated Lead Software Engineer you will play an active role organizing and guiding the daily activities of the software team to deliver the software services and solutions outlined by the Head of Innovation.  With a passion for technology you will be hands-on in all aspects of the development process, including holding Agile stand-ups and being an active participant in design meetings.  Eager to learn and able to adapt, you will remain hands-on delivering code as part of both hosted and on-premises software services and solutions.  An ability to put forward your ideas, offer working solutions and provide daily guidance to the team will be invaluable.

## Main Responsibilities

*Note – the following sections use the word "customer" and should be taken to include all channels through which we expose our territory to CSL products and services. This would include; End Users, OEMs, Resellers, Agents, Systems Integrators, other Campbell Scientific Group Companies, and their Subsidiaries.*

- Ability to organise and monitor the workload of the software team to meet the requirements outlined by the Head of Innovation, including Agile stand-ups.
- Provide guidance to the software team and set effective sprints.
- Actively participate in software design meetings.
- Ensure transparency of development progress and identified issues to the Head of Innovation.
- Responsible for coding high quality software services and solutions that solve the job's that need to be done for our customer's.
- Perform coding to written technical specifications.
- Interpret written business requirements and technical specification documents.
- Investigate, analyse and document reported defects.
- Perform maintenance programming and correction of identified defects.
- To be an expert reference on the software services and solutions delivered by the software team.
- To maintain current and relevant technical skills aligned with identified business objectives.
- To be an active part of the software development team, embracing modern technologies and practices, working openly and respectfully with software efforts as part of the wider Campbell Scientific Group as necessary.
- Support the continued day-to-day operation of the company's current and future software services and solutions; including Konect.
- To produce quality technical documentation in support of the software and services you develop.
- Create, document, and implement automated and manual tests and associated test plans.
- Represent the Company in a friendly, helpful, and professional way at all times.
- Undertake travel away on Company business when required, including overnight stops in the UK and overseas.

- Make proper and cost-effective use of the Company's equipment and resources.
- Undertake any other reasonable task that may be asked of you by your supervisor or senior Management.

Person Specification

| Technical Skills and Competencies | Essential | Desirable |
|---|---|---|
| Organisational and planning experience in a software environment | X | |
| Ability to organise the day-to-day software team activities | X | |
| Experience of Cloud platform development with Microsoft Azure or AWS (Amazon Web Services) using PaaS and IaaS | X | |
| Experience of deployment and administration of services on the Azure Cloud platform or Amazon Web Services | | X |
| Experience of .NET coding including C#, ASP.NET / MVC5, .NET Core | X | |
| Experience in the use of Visual Studio | X | |
| Web Technologies and Standards including HTML / CSS | X | |
| JavaScript / jQuery | X | |
| Experience of Mobile App development using Xamarin or equivalent | | X |
| SQL including T-SQL | | X |
| Demonstrable Web UI/UX coding using react.js / electron or equivalent | | X |
| Understanding of Agile/Scrum and TFS/JIRA | | X |
| Understanding of measurement theory and practice | | X |

| Qualification | Essential | Desirable |
|---|---|---|
| A relevant Engineering or Science based qualification to HND or above | | X |