



JOB DESCRIPTION

Position:	R&D Senior Software Engineer
Reporting To:	Research & Development Manager
Responsible For:	None

Overview

As an R&D senior software engineer at Online Electronics you will be developing cutting edge technology software for new, and existing products and bespoke customer specific applications across all our product lines. Workload can vary from creating software for new product design to meet client or internal specifications through to supporting an existing client's request to upgrade or change software in the field.

You will be the only software engineer in a small team of dedicated and enthusiastic electronic/firmware and mechanical development engineers. So will have the opportunity and responsibility to define, refine and improve our software products, procedures and technology.

Duties & Responsibilities:

- Providing software engineering design input to new products.
- Providing software engineering support to the existing product range.
- Assessing technical queries and provide software engineering solutions to a wide-ranging products portfolio.
- Participate in the company's Innovation Ideas capture and Ideation process.
- Liaising with internal departments such as Sales, Procurement and Production to ensure the best technical solution is provided in all instances.
- Creating & maintaining software engineering documentation such as specifications, designs, proposals, test plans, reports and manuals.
- Ensuring software engineering solutions are provided on time and on budget.
- Maintaining and developing company standards and processes for software design & development and maintenance.
- To be responsible for delivering your set of objectives and to report progress on the delivery of these as agreed with your manager.
- To document & report any issues or recommend any improvements to existing software & to identify the reason(s) why.
- To comply with company and departmental QA & HSE procedures and processes.
- Additional duties as required.



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Skills & Experience:

- 3+ years of professional experience in software development.
- Graphical User Interface design.
- Extensive experience with high level development languages – preferably one or more of C# and C++, and C., Java, Python.
- Experience of Web server design & implementation.
- Operating systems: Windows, Android, iOS, .NET.
- Visual Studio or similar development environments.
- Software version control systems e.g. GitHub, PVCS.
- Wireless comms e.g. Bluetooth.
- Wired comms e.g. Ethernet, USB, MODBUS.
- Software Testing: White & Black box.
- Knowledge of Electronics at a system level.
- Any exposure to IoT or AI would be an advantage.

- Willingness to take ownership and accountability of tasks and drive to completion.
- Excellent attention to detail and accuracy in work.
- Excellent organisational skills.
- Analytical and logical problem solver.
- To work well as part of a team and autonomously.
- Ability to question and challenge the engineers & managers.
- Ability to use Microsoft office.

Qualifications

- Software / computer science / electronic engineering degree or equivalent industry experience.