

# SOFTWARE ENGINEER



Lathom, Lancashire



Competitive salary depending upon experience + Benefits



Degree educated

[www.NSG.com](http://www.NSG.com)

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## WHO ARE WE?

The NSG Group is a global leader in glass manufacturing in three business areas: Architectural, Automotive and Technical Glass.

Our mission is to be the global leader in innovative high-performance glass and glazing solutions, working safely and ethically.

## THE ROLE

Architectural Engineering provides a total project engineering service for capital projects on behalf of NSG Group and client companies worldwide. This service covers all aspects of the project from feasibility, specification, design and procurement to installation and commissioning. Projects vary between the build of a new factory on a Greenfield site to a major overhaul of an existing plant.

A vacancy has arisen for a Software Engineer (senior dependant on experience) within Architectural Engineering to develop and support in-house software applications. The applications are for factory automation and will require Software Engineers with skills in low-level C software development in real-time environments (Linux). Travel is an integral part of the role and will consist of short design trips as well as trips of around 4 weeks at a time supervising the commissioning phases.

## KEY RESPONSIBILITIES AND ACCOUNTABILITIES

### HSE & Standards

- Provide leadership and contribute to company environmental, health and safety standards in compliance with company policies to ensure a safe working environment and the minimisation of environmental impact
- Ensuring standards, specifications and guidelines pertaining to discipline conform to the requirements of relevant industry legislation, standards, and guidance

### Engineering

- Liaise with and manage interfaces with other engineering disciplines and external suppliers to develop full system requirements
- Prepare and manage the design deliverables including FDS, Interface Specifications etc
- Develop the software from master version to project specific requirements and undertake unit tests
- Prepare project hardware and deploy software

### Procurement

- Responsible for the technical aspect of the procurement of equipment.
- Manages project spend in accordance with approved budgets

### Testing & Commissioning

- Complete FATs at suppliers in conjunction with interfaced equipment
- On site commissioning of software

### Management

- Planning of contract design activities to achieve project deadlines
- Use Continuous Improvement methodologies to promote built in engineering quality concepts into standard work
- Prepare & execute project documentation in accordance with Good Documentation Practices

### Support

- Provide technical support for in house software applications, post installation, for manufacturing sites.
- Work with manufacturing sites to develop modifications and improvements to the existing operational software.

## WHAT ARE WE LOOKING FOR?

### REQUIRED EXPERIENCE

- C on Linux
- C/C++ System-Level Development and Architecture experience
- Linux experience, x86
- Experience of real-time environments
- Process Control within Industrial Environments
- Low-level C Software Development knowledge, Networking, Communication Protocols, Software Design and Software Integration skills
- On Site Commissioning

### ADVANTAGEOUS EXPERIENCE/ SKILLS

- Development of C# .NET solutions
- Microsoft Visual Studio Certifications
- Software Architecting
- Knowledge of Ethernet based control protocols such as ModbusTCP, EthernetIP
- Experience with Commercial SCADA Software
- Experience with Programmable Logic Controllers (PLCs)
- Control Panel Design
- Camera & Vision Systems

### SKILLS/ QUALIFICATIONS

- Educated to degree level (or relevant experience)
- Effective prioritization of projects and tasks to ensure delivery on time and within budget
- Pro-active and able to work on own initiative, ready to identify problems and quickly report them/ provide solutions
- An ability to work under pressure and to tight timescales
- Exceptional interpersonal and team-working skills with a natural enthusiasm and an ability to work hard
- Self - starter who drives for results
- Chartered Engineer Status, or working toward this

### BENEFITS

- Working hours are 37.5 hours per week, Monday to Friday
- 25 days holiday per annum plus declared public holidays
- Holiday Purchase Scheme (purchase up to 5 additional days per year)
- Flexible working (office and home)
- Private Healthcare Plan
- Management Car Subsidy Scheme - £870 p.a. when individual enters into a finance agreement to purchase a car
- Management Bonus Scheme – pays up to 20% of basic salary, based on business targets and not guaranteed
- Group Personal Pension Plan – a defined contribution scheme with Aviva with up to 8% employer contribution
- On site car parking
- Canteen facilities on site

A full UK driving licence and car ownership would be an advantage due to limited public transport to the site.

If you believe you take on the challenge, we very much want to hear from you. To apply please send your CV and covering letter to [RecruitmentVacanciesUK@pl.nsg.com](mailto:RecruitmentVacanciesUK@pl.nsg.com) and quote reference **PTML P24-05**.