Job Profile: Lead Automation Software Engineer

Organisational setup and Job Information	
- Location: - Department: - Reporting line:	Briggs of Burton Plc Engineering Automation Software Manager

Job Focus

You will be responsible for the delivery of automation projects covering the complete life cycle of PLC, SCADA, HMI, Batch and DCS industrial control systems and also providing support to sales & proposals, business development, process / project engineering and general project execution across a wide range of industries in the hygienic processing sectors including Brewing, Distilling, Pharmaceutical and Food in a hygienic processing environment. To contribute directly and indirectly to the success of the business.

The role & Responsibilities

Management responsibilities

- Support and assist the Automation Software Manager with all aspects of the department.
- Ensure both Briggs and Client Health & Safety standards are upheld across all project engineering liaising with the Health, Safety & Quality department.
- Supporting the Automation Software Manager in the operational activities of the Automation Software team.
- Support the Automation Software Manager with the day to day activities of all Automation resources in conjunction with the other members of the Engineering team to ensure resources are allocated effectively and efficiently to balance the need of all projects.
- Support the recruitment of Automation Software Engineers, permanent and contract engineers as determined by the business.
- Support of quality, completeness, consistency, accuracy and production efficiencies of designs produced by Automation Software team. This may involve travel both domestic and internationally.
- Assist the Department Manager with planning including resourcing, budgets, technical guidance and training.
- Assist in the management performance, conducts, and appraisals, provide technical expertise and guidance, training and mentoring of the software team.
- Assist and provide input to any on-going continuous improvement initiatives across the engineering department.
- Assist and provide support to the pre-engineering department.
- Act as a Lead Engineer working to assist overall project manager, this would include regular progress and status update meetings with the overall project manager, site management and commissioning as required. This may involve travel both domestic and internationally.
- Attend regular Senior Engineering team meetings.
- Assist with ensuring training needs across the department are identified and planned to ensure capability, standards and compliance is maintained.
- Work across a number of projects to support the Senior Engineers , Engineers and Graduate Engineers on their projects.
- Take ownership and responsibility for automation aspects of projects enusing projects are delivered to specification and project program.
- Specific department wide technical duties as allocated by the department manager.

Tasks and Duties

- Control System Architecture Design
- Writing of Functional Design Specification
- Control System Software Engineering (Designing, Writing, Testing and Commissioning)
- PLC Software. Siemens S71500 in TIA, Step7 S7400s, Rockwell Control Logix and others.
- SCADA Software. Siemens WinCC 7, Factory Talk SE, iFix, Wondereware System Platform and others.
- DCS software. PCS7, Proleit Brewmaxx, ABB and others.
- HIM Software. Siemens TIA and Rockwell Studio 5000 and Factory Talk ME and others.
- Batch Engine Software, Batch System Software. Applying S88 Batch Standard.
- Recipe and Reporting Systems
- C, C#, VB programming.
- I/O System Design including Profinet, ASI, Profibus DP, Profibus PA, EtherNet IP.
- Network Design (including configuration of switches, routers and firewalls)
- Cyber Security and Knowledge of IEC 62443 Cyber Security Standard
- Database Setup and Interfacing
- System Virtualization using VMWare (including setup of ESXi servers and virtualization of control system infrastructure)
- Internal Testing and Simulation of Software with Briggs process engineers
- Documented Software FATs to FDS and Test Specifications.
- On call as part of the Briggs Service Level Agreement support roster. Typically, 1 week every 7 weeks.
- On site visits / commissioning at Briggs sites both in the UK and overseas as agreed with your Line Manager/ Director to suit the needs and demands of projects.
- Liaison and assistance with the overall Briggs project team, Client team and third-party suppliers.

Desired Knowledge & Experience

Education:

- Systems Engineering or Control Systems Engineering or Computer Science Degree, HND or HNC.
- Master's Degree Preferable
- Chartered Engineer or prepared to work towards CEng status.
- Language – English (any foreign language skills could be considered beneficial)

Professional experience:

- Minimum of 10 years' experience in Control System Engineering preferably within the hygienic process industries (brewing/distilling/food/pharmaceutical/health & beauty).
- Knowledge of engineering within batch processes within the hygienic process industries.
- Alternatively (or in addition) experience in an industrial environment of network design and configuration, virtualization, cyber security engineering, database configuration, C#, C, VB, Web Based reporting development.

Technical skills:

- As detailed above
- MS office also proficient in Excel, Access, Microsoft Project.

Required competencies & behaviour

- A passion for Automation Software is essential.
- Result driven, confident and dynamic personality.
- Self-motivated with ability to gel and proactively support existing and future teams.
- Communicate problems / issues.
- Strong focus on quality, completeness, consistency, and accuracy engineering deliverables.
- Work to deadlines.
- High level of integrity, open mindedness, and flexibility. Work as a team to increase efficiency and communication.
- Excellent communication skills, sociability and social know-how.

Remarks:
- International and national travel will be an essential part of the role, this would be both regular travel for business meetings, also extended periods of time associated with project work as and when required to meet the Business, Client and Project needs.   - This job description is issued as a guideline to assist you in your duties, it is not exhaustive.   - Due to the evolving nature and changing demands of our business this job description may be subject to change.   - You may, on occasions, be required to undertake additional or other duties within the context of this job description, and according to the needs of the Company