

## **Roles & Responsibilities –PLC Software Engineer**

A PLC Software Engineer is primarily responsible for Automation projects and software development at Bran Systems. The candidate will be required to use their expertise in both software (PLC and SCADA) and engineering (electrical, mechanical) to design, implement and commission Automation projects

### **Requirements**

Degree / Diploma in Mechatronics / Electronics

Drivers license and own transport

Ability to work shifts and move between project and support roles.

3-5 years work experience

### **PLC AND SCADA AUTOMATION**

#### Product and Services Knowledge

Required...

Siemens or Allen Bradley PLC programming, C# programming

Optional

SCADA, Robots, Electrical Design, Mech Design, Project management, Java, SQL server

#### Projects

PLC and SCADA programming

Design, Installations, Commissioning, Support

#### Software Development

Candidate will be predominantly engaged in software development and project related tasks in the following areas – PLC, SCADA, HMI, MES and Application development.

#### Project and Opportunity Management

- Pre-Sales
- Project management as required
- Look for opportunities for the company to add value
- Look for innovative ways to adopt new technology.

#### Proposals

- These are in effect marketing documents and the highest standards must be adhered to.
- They must be done as soon after the meeting as possible, so that the relevant facts are clear in your mind.
- Proposals should be proof-read by management before going out to ensure that no mistakes have been left in.

#### Support

Candidate may be required to do support

### **Communication**

- Good internal and external communication is essential.
- We need to speak our minds if unhappy about anything within the company. Approach your manager if there is anything that you would like to have improved.
- Listen carefully to the tasks and goals set by your manager. If you don't understand, or disagree with, any of them discuss this.
- Communication is two-way.

## **Professionalism**

### Customer Service Orientation

- What our customers get from our support team is a direct reflection on their perception of the Company. We need to go the extra mile for our customers, make them feel as special as we can.
- It is vital to meet your objectives, and attend to any incidents timeously and professionally, and deliver to the SLA that we are paid for.

### Adhere to company processes

- There are strict processes to be followed in terms of incident resolution and reporting as well as weekly, daily and shift check tasks to be adhered to be checked and reported on
- In terms of software development, there are also strict processes that should not be deviated from
  - Design including documentation of design
  - Coding
  - Code review by peer or management
  - Internal testing (unit and integration)
  - Preparation of change control with test results
  - Implementation
  - Go-Live and support
- It is vital to meet your objectives, and attend to any incidents timeously and professionally, and deliver to the SLA that we are paid for.

### Time-Keeping and Time Management

- Be early for customer meetings
- When on support please ensure that you arrive 15 min before your shift starts so you can do a handover
- Be in at least 30 minutes early on Monday morning start of week.
- Make sure that you prioritise your work so that you use your time effectively. Keep lists of tasks, and set goals on a daily, weekly and monthly basis. Be your own manager and ensure that these goals are reached.
- We work in a close environment and must resist the temptation for excessive chatting. BRANSYSTEMS provides a fairly relaxed atmosphere, but ultimately we are here to deliver a service and need to ensure we let others have their time to achieve their goals.

### Appearance

- As the face of the company it is essential that we convey a neat and professional, yet approachable, image.

## **Attitude**

### Energy and Drive

- Support and development require hard work, team work, a positive and friendly demeanor towards each other and our customer as this gives a direct impression of the Company.
- Support staff and development staff should be constantly looking to improve their skills and ever improve the KPI's against which the team is measured.

### Self-Study

- The more you know the better you'll work and the greater your chance of promotion and recognition. If this is your chosen career and you are taking it seriously you will strive to improve your skills and techniques all the time.
- Be proactive. The company is always prepared to purchase books on ways to improve technical ability and send you on courses. Make use of this
- Always strive to put into practice what you learn so that both you and the Company can grow.

### Team Player

- It is important to provide support to the other members of the team.
- It is also important to respect their work and not to distract them.
- Enthusiasm is infectious (as is depression!). Ideally support and development staff should inspire those around them to feel energised and positive.

### Initiative

- Creative ideas, whether around support or development. This is the lifeblood of the Company. Think creatively. No idea, no matter how zany, will ever be shot down.
- Don't just wait for direction. Propose what direction you think the company should take.

### Responsibility

- The main role of support and development teams are to deliver on the services and solutions that the customer has entrusted us with. This responsibility needs to be taken seriously. Support and development staff should perform all the steps necessary to ensure that we have zero production losses in the systems we develop and support. Management should not have to micro-manage support and development staff. Responsible staff will get on and make things happen.
- Manage your time effectively.

## **Achievement of Goals**

- At each review goals will be agreed with your direct manager. These should be noted, prioritised, and then reached.