



YES (Yield Engineering Systems, Inc.) is a leading manufacturer of reliable, high-tech, cost-effective capital equipment that transforms materials and surfaces at the nanoscale. From startups to the Fortune 50, our customers rely on YES to help them unleash products that change lives – from cellphones and IoT devices, to AI and virtual reality, to diagnostic tests for COVID.

As a preferred provider of wet and dry process technology, we look forward to talking with smart, energetic, team-oriented people who can grow with us. We provide competitive salary and benefits, including employee stock ownership, and some of the best co-workers you'll find anywhere. If this appeals to you, please read on!

**Job Title: PLC Software Engineer**

**Location: Bangalore or Coimbatore, India**

#### **Responsibilities**

- Programming, testing, start-up, troubleshooting, and field service support for wet process equipment

#### **Required Skills**

- PLC programming and testing, with emphasis on Siemens PLCs (Step 7 and Portal TIA)
  - Ladder logic and STL design
  - Motion control
  - Digital networking
  - Hardware configurations, discrete and analog
  - Installation procedures
  - Electrical motor commissioning
  - Documentation
- Computer knowledge and proficiency with Windows and MS Office

#### **Preferred Skills**

- Emphasis on Siemens PLCs (Step 7 and Portal TIA)
  - Function, object, and data block in ladder logic and SCL design
  - Technology motion control, Profinet, digital and analog interface
  - Profibus networking
  - Hardware configurations DI, DQ, AI, and AO
  - Installation procedures
  - Electrical motor commissioning
  - Documentation
- HMI programming and testing, with emphasis on Wonderware InTouch
  - Screen design
  - Tag name configuration
  - DA server interfaces

- Scripting
- Import/export .csv files
- Historical data management
- Recipe manager
- Hands-on
  - Controllers: Beckhoff, B&R, Delta, Keyence, Omron, Mitsubishi, Siemens
  - Safety controllers: B&R, Sick, Schmersal, etc.
  - Industrial protocols: Modbus, Profibus, Ethernet/IP, EtherCAT, Profinet, Device Net, etc.
  - Heater controller: Eurotherm, Watlow, etc.
  - Servo system: Sanyo Denki, Copley, Kollmorgen, Yaskawa, etc.
- Robot programming and testing, with emphasis on Universal robots & Kuka robots
  - Motion profiles
  - Interface configurations: Digital and Profinet
- Ability to read and interpret instruction manuals, electrical schematics, and P&IDs

#### **Qualifications**

- Four-year degree in computer science, computer engineering, electrical engineering, mathematics, or similar field
- At least two years' experience in software development (NCGs who meet this requirement are encouraged to apply)
- Good written and verbal communication skills in English
- Strong team player and willing to learn new technologies
- Some travel domestic and internationally required

#### **Compensation**

- YES offers a stimulating and fun working environment, competitive salaries and benefits, and long-term incentives.

#### **Additional Information**

- YES is an equal opportunity employer and values diversity. All employment is decided on the basis of qualifications, merit, and business need.
- YES prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

**Come find out why YES is such a great place to work. Apply today!**