KISHORE KUMAR NAGARAJAN

PLC PROGRAMMER | AUTOMATION ENGINEER

CONTACT

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SOFT SKILLS

- Problem Solving
- Crisis Management
- Creative Thinking
- Data Analysis
- Customer Orientation
- Adaptability to Change

TECHNICAL SKILLS

PLC & Automation Tools:
- B&R Automation Studio
- Structured Text
- HMI Design & Development
- PLC Hardware & I/O Configuration

Electrical & CAD Tools
- G-star CAD (Panel Layouts, Wiring Diagrams, Circuit Design)
- AutoCAD

Programming & Development
- Code Composer Studio
- MATLAB

LANGUAGES

- English
- Tamil
- Kannada

SUMMARY

PLC Automation Engineer with nearly 2 years of experience in B&R PLC programming. Skilled in Structured Text and HMI development, with a solid foundation in PLC hardware and software integration. Proficient in configuring and troubleshooting industrial communication protocols. Adept at collaborating with cross-functional teams to deliver reliable automation solutions, optimize machine performance, and ensure successful commissioning in industrial environments.

WORK EXPERIENCE

RVL Technologies
Software Developer
Coimbatore, India

SEPT 2022 – JUNE 2024

- Programmed and deployed B&R PLCs using Structured Text for industrial automation projects.
- Designed and developed Human Machine Interfaces (HMI) for intuitive operator control and real-time monitoring of machine processes.
- Familiar with both PLC hardware and software, enabling end-to-end involvement from panel wiring to control program development.
- Collaborated with electrical and mechanical teams to ensure smooth machine installation, debugging, and commissioning.
- Documented PLC code, HMI screens, wiring diagrams, and commissioning procedures for maintenance and knowledge transfer.

KEY PROJECTS

- **Auto Yarn Winding System** – Designed and implemented a PLC-based actuator control system with load cell integration to monitor yarn density in real time. Optimized actuator response using Structured Text logic, ensuring uniform winding quality and reducing material waste.
- **Auto Doffer System** – Co-developed an automated solution using B&R PLCs and HMI to remove doffed yarn cones from spinning machinery. Improved production efficiency, reduced manual handling, and enhanced operator safety through intuitive HMI interfaces.

EDUCATION

Master of Robotics and Mechatronics Engineering
RMIT University

2024-2026

Bachelor's in Mechatronics Engineering
Paavai Engineering

2018-2022