

Premkumar Balasubramaniam.

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WORK EXPERIENCE

Over all Experience: 11 Years

Company Name: **M/s. Lakshmi Life Sciences Pvt. Ltd., Coimbatore.**

Period: From Dec 2021 to till date (Total Experience: 1 Year 2 Months)

Designation: Assistant Manager.

Company Name: **M/s. BASE Automation Technologies Pvt. Ltd., Chennai.**

Period: From July 2013 to Nov 2022 (Total Experience: 8 Years 4 Months)

Designation: Lead - Projects.

Company Name: **M/s. Bentech Automation., Chennai.**

Period: From Dec 2011 to June 2013 (Total Experience: 1 Year 6 Months)

Designation: Projects Engineer

TECHNICAL EXPERTISE

PROGRAMMABLE LOGIC CONTROLLER (PLC):

ALLEN BRADLEY - Compact Logix, Control Logix, Micro Logix and SLC.

SIEMENS - S7 300, S7 1200 and S7 1500 Series.

HUMAN MACHINE INTERFACE (HMI):

ALLEN BRADLEY - Panel View Plus 6 and 7, Panel View and Panel View Component.

SIEMENS - Comfort Panel and Basic Panel.

DRIVES:

ALLEN BRADLEY - Power Flex 40, Power Flex 525, and Power Flex 753.

NORD - Nord Inverters and Nord Starters.

ABB - ACS 880.

SIEMENS - SINAMICS G120.

DANFOSS - VLT FC 360.

SERVO DRIVES:

ALLEN BRADLEY - Kinetix 6500 Drive and Encoder.

SMC - LECSN2-T8

OTHER HARDWARES: Camera system – Keyence, Temperature Controller – Eurotherm & Autonics.
Weight Indicators – Mettler Toledo & Essea Teraoka, Barcode Scanner – Keyence, Symbol & Zebra.

COMMUNICATIONS PROTOCOL: - Ethernet/IP, ASI, Profinet, Profibus, Modbus RTU and RS232 Serial Communication.

SOFTWARE SKILLS

ALLEN BRADLEY - RS Logic 500, Studio 5000, FTView Studio ME, FTView Studio SE, Drive Executive and CCW.

SIEMENS - Simatic Manager 5.5, TIA Portal V17, Win CC Flexible and WinCC 7.2

PROFESSIONAL CERTIFICATIONS

- ✓ **“Industrial Automation Core”** training at M/s. Rockwell Automation, Bengaluru.
- ✓ **“FT-HOTT”** training at M/s. Rockwell Automation, Noida.
- ✓ **“IOSH – Working Safely”** training about the working safety at Amazon LCY2, London, UK

PROJECT AREA

- ✓ Automatic Mold Loading and Unloading for Hydraulic Curing Press.
- ✓ Special Purpose Machines.
- ✓ Closed loop system - Mixing Plant Automation and Batching System in Tire and Automotive Industries.
- ✓ Complete Tracking and Traceability using Barcode and RFID system.
- ✓ Material Handling – Warehouse Conveyors Automation system.

ROLES & RESPONSIBILITIES

- ✓ Project Management – Schedule Preparation to Commissioning Support
- ✓ Review – Review of Documentation as per ISO 9001:2015 Standards
- ✓ Review on – GAD, Wiring Diagram of Panel(s), Logic Coding and SCADA Screen(s) Developed by the team of Project Engineers & Senior Project Engineers (Team Size: 10)
- ✓ Concept Development of new project(s) according to the opportunities lead by the Senior management team
- ✓ Handling on SAP – B1 for all the Project(s) from Procurement stage to till Delivery of the system to the customer.
- ✓ Training & Mentoring of the existing engineers for product updates and library development in Rockwell & Siemens Platform.

PROJECTS

Application: Secondary Packing Machine.

Customer: M/s Philips, Poland.

Hardware: PLC: Siemens CPU1516-Pro, HMI: MTP1500. DRIVE: SMC LECSN2-T8

Software: TIA V17,

Communication: Profinet.

Application: Warehouse Material Handling Conveyor Automation System.

Customer: M/s. Dematic Ltd., UK.

End User: M/s. AMAZON LCY2, Tilbury, London, UK.

Hardware: PLC: AB Logix L72 & L33ERMS. DRIVE: NORD

Software: Studio 5000.

Communication: Ethernet/IP and ASi.

Application: Strip Winding System for OTR Tyres.

Customer: M/s MRF, Medak, India.

Hardware: PLC: AB L320ERM, HMI: Panel viewPlus-7 1000 & DRIVE: PF753

Servo: Kinetix 6500 Drive and Encoder. (2 Axis)

Software: Studio5000, Factory Talk Machine Edition.

Communication: Ethernet/IP.

Application: RCM for Chemical, Carbon, Oil and Mixer

Customer: M/s Gold Seal, Ahmedabad, India.

Hardware: PLC: Siemens CPU315 2PN/DP, HMI: KTP900, DRIVE: G120.

Software: Simatic Manager, TIA Portal and WinCC Flexible.

Communication: Profinet, Profibus and ASCII (RS232).

Application: MES (Manufacturing Execution System) Integration

Customer: M/s MRF, Ankenpally, India.

Hardware: PLC: Siemens CPU 1200, HMI: KTP600,

Software: TIA PORTAL V11

Communication: Profinet

Application: BATCH OFF

Customer: M/s MRF, Arakkonam.

Hardware: PLC: S7-1500, HMI: TP 900, DRIVE: PF525.

Software: TIA Portal & Drive Executive

Communication: Profinet and Ethernet/IP.

ACADEMIC QUALIFICATIONS

✓ **Bachelor of Engineering in Electronics and Communication Engineering** in Erode Sengunthar Engineering College, Erode. 68.6%

✓ **Diploma in Electronics and Communication Engineering** in Nandha Polytechnic College, Erode. 65.25%

PERSONAL PROFILE

Father's Name :	Balasubramaniam.N
Address :	59/1 Kadapalayam, Perundurai, Erode (DT)-638052, Tamilnadu, India.
Date of Birth :	29-06-1988
Sex :	Male
Nationality :	Indian
Marital Status :	Married
Languages :	English & Tamil

Date:

Yours Truly

Place:

(PREMKUMAR B)