

SUBRAMANIAN G

Email: ashokmani90@gmail.com Phone: (M) +918220286059

Automation Control Engineer With 10Years Experience

To secure a challenging position where I can effectively contribute my skills and abilities in Industrial automation and control system with Emphasis on Design and Development of Automation tool such as DCS,PLCs,SCADA(or)HMI systems that offers professional growth while being innovative, creative and flexible.

Persuasive communicator with exceptional relationship management skills with the ability to relate to people at any level of business and management, highly ethical, trustworthy and discreet

- Instrumental in achieving the timely completion of assigned targets
- Adroit in learning new technologies, Ability to work both in independent and collaborative milieu
- Skilled team player with proven ability to lead and motivate teams to maximize productivity
- Sound communication skills through patient and persistent dialogue, Disciplined, versatile and big picture thinker

PROFESSIONAL SUMMARY

- Experience working with a variety of control systems including DCS and PLCs.
- Experience designing and programming control systems with emphasis on PLCs, SCADA and HMI systems.
- Thorough knowledge of process instrumentation and control systems.
- Knowledge on P&IDs and loop descriptions for various plants, processes, and/or Equipment.
- Knowledge of Managing overall activities pertaining of Erection testing, commissioning of Electrical Panel, PLC system, VFD, HMI and process control.
- Ability to troubleshoot control systems from the field element up through operator interfaces and databases.
- Experience with Industrial Networks and Communications technologies and PC networking technology.
- Experience in IOT Application.
- Ability and Adaptability to work with different technologies on different platforms.
- Strong analytical & problem-solving skills to analyze business applications.

TECHNICAL SKILL SET

- ✓ Experienced in PLC, DCS software like SIMATIC MANAGER V5.5 and V5.6, TIA Portal V11- V16, RsLogix500, RSLogix5000, Studio5000, MICROWIN V4.0 SP9, Micro Win Smart, CCW V13, Codesys V3.5.
- ✓ Experienced in SCADA/HMI software like WINCC Explorer 7.2 & 7.3, WINCC Flexible 2008 & TIA Portal & Factory Talk View ME/SE, Wonderware Intouch 2017, Wonderware Intouch 2020 R2.
- ✓ Experienced in Communication & Protocols like ProfiBus, ModBus (TCP/IP, RTU), ProfiNet, Ethernet I/P, ControlNet, DeviceNet, CAN, Wireless.
- ✓ Experienced with Variable Frequency Drive (VFD): SIEMENS, AB, ABB.
- ✓ Done various PLC projects with S7 400H REDUNDANCY series, S7 300 REDUNDANCY series, S7 1500, S7 1200 and S7 200 series in Siemens.
- ✓ Done various PLC projects with Compact logix, STANDALONE & REDUNDANCY series With Control logix in AllenBradley.
- ✓ Experience in control panel and Local distribution panels Testing & commissioning.
- ✓ Experienced With Continuous and Batch Process Programming in Process Control System.

CORE STRENGTHS

- Result-driven Work Approach
- Strong Work Ethics & Team Dynamics
- Hardworking and quick learner
- Commitment towards work
- Sincerity and Self-Confidence
- Quick Adaptability

ACADEMIA

MBA (Financial Management) from University of Madras, Chennai in 2021 With 7.1 (cgpa) **Part Time**
BE (Electronics & Communication Engineering) from MAM College Of Engineering, AU, Chennai in 2012 with 6.98(cgpa)
H.S.C from A.S.A Govt Boys Higher Secondary School in 2008 with 82.4%
S.S.L.C from A.S.A Govt Boys Higher Secondary School in 2006 with 90.6%

PROFESSIONAL EXPERIENCE

Name of the employer : **TATA CONSULTANCY SERVICES**, Bangalore.
(Deputed for Veolia Water Technologies & Solutions)
Post held : IT Analyst.
Duration : From 19-07-2021 to till now.

Name of the employer : **PMA CONTROLS INDIA LTD**, Chennai.
Post held : Sr. Project Engineer.
Duration : From 16-07-2018 to 14-07-2021.

Name of the employer : **NOVEL AXIS GLOBAL AUTOMATION**, Chennai.
Post held : Application Engineer.
Duration : From 21-12-2012 to 11-07-2018.

PROJECTS

PROJECT DETAILS:

✓ **Project: Young Poong I & II (ZLD SYSTEM).**

Client : M/S Young Poong-I & II, SEOOKPO, South Korea.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : AB (L73, Redundant Control Logix CPU-4, 1350 I /Os 10 Remote I/O Panels).
Software : **Studio5000**, Wonderware Intouch 2017 (One Engineering Station & One OS).
Responsibilities : Developed PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Drumbo (MBR).**

Client : Drumbo WWTP, Canada.
Role : Executive Automation & Controls Systems (Testing).
Team size : 1
Controllers : AB (L33ER, Compact Logix CPU, HMI-Panel View Plus 7 10").
Software : **Studio5000**, FT View Machine Edition.
Responsibilities : Involved in CVT Testing.

✓ **Project: ASTE 1A & 1B (2 EDR System).**

Client : Aste, Alcazar de San Juan, Spain.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : SIEMENS (S7 1500 CPU-2, 4 Remote I/O Panels, HMI-TP1200 12").
Software : TIA Portal.
Responsibilities : Developed PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Viny Thai Mother Water Recycling Plant (2 DAF, 2 MBR, 2 RO).**

Client : M/S. Vinythai Public Company Limited, Thailand.
Role : Executive Automation & Controls Systems (Development).

Team size : 1
Controllers : SIEMENS (S7 1500 Redundant CPU, 3 Remote I/O Panels, WINCC Scada).
Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens. and CVT Testing.

✓ **Project: PepsiCo (MBR, 2 RO).**

Client : Saudi Snacks Foods Co Ltd, Saudi.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : AB (L82E, Control Logix CPU, 3 Remote I/O Panels, HMI-Panel View Plus 7).
Software : **Studio5000**, FT View Machine Edition.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Anthem WWTP (Phase II & III) (8 MBR Systems).**

Client : Zenon Environmental Inc, Ontario.
Role : Executive Automation & Controls Systems (Testing).
Team size : 1
Controllers : AB (L330ER, Compact Logix CPU-2, 4 Remote I/O Panels).
Software : **Studio5000**, Wonderware Intouch 2020 R2.
Responsibilities : CVT Testing.

✓ **Project: Bahrain Steel 5.5 MLD Desalination Plant.**

Client : Bahrain Steel BSCC E.C, Bahrain.
Role : Executive Automation & Controls Systems (Commissioning).
Team size : 1
Controllers : AB (L340ER, Compact Logix CPU, 1 Remote I/O Panels).
Software : **Studio5000**, FT View Site Edition.
Responsibilities : Involved in Commissioning Support.

✓ **Project: Proflex Cam I & II (2 RO).**

Client : Camera Agro industrial S/A, Brazil.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : AB (L33ER, Compact Logix CPU , HMI-Panel View Plus 7 7").
Software : **Studio5000**, FT View Machine Edition.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Port Hope Clean Harbor (4 RO Systems).**

Client : CSA Group, Canada.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : AB (L33ER, Compact Logix CPU, 3 Remote I/O Panels, HMI-Panel View Plus 7 10").
Software : **Studio5000**, FT View Machine Edition.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: SaltPower (standalone RO system).**

Client : SaltPower, Denmark.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : SIEMENS (S7 1200 CPU, HMI-TP1200 12").
Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Font Salem (standalone RO system).**

Client : Font Salem, Spain.
Role : Executive Automation & Controls Systems (Development).
Team size : 1

Controllers : SIEMENS (S7 1200 CPU, HMI-TP1200 12").
Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Arcelor (2 RO system).**

Client : Cleveland-Cliffs, USA.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : SIEMENS (S7 1500 CPU, 2 Remote I/O Panels, HMI-TP1200 12").
Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Russula Big River (3 RO system).**

Client : Russula Big River Steel, USA.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : SIEMENS (S7 1500 CPU, 3 Remote I/O Panels, HMI-TP1200 12").
Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Osmosistemas (standalone RO system With ICR).**

Client : OSMOSISTEMAS DE CENTROAMERICA SA, USA.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : AB (L33ER, Compact Logix CPU , HMI-Panel View Plus 7 7").
Software : **Studio5000**, FT View Machine Edition.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Linde Demin Loop Polishing G & H (2 Ecell 3X system).**

Client : Linde, Norway.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : SIEMENS (S7 1200 CPU-2, HMI-TP1200 12"-2).
Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Soon Ngai. (Ecell 3X system).**

Client : Soon Ngai, Malaysia.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : AB (Micro Logix 1400 CPU , HMI-Panel View Plus 7 7").
Software : **Rslogix 500**, FT View Machine Edition.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: WaterTech services (Ecell 3X system).**

Client : WaterTech Services, USA.
Role : Executive Automation & Controls Systems (Commissioning).
Team size : 1
Controllers : AB (Micro Logix 1400 CPU, HMI-Panel View Plus 7 7").
Software : **Rslogix 500**, FT View Machine Edition.
Responsibilities : Involved in Commissioning Support.

✓ **Project: Kaleb (standalone RO system).**

Client : Kaleb, China.
Role : Executive Automation & Controls Systems (Development).
Team size : 1
Controllers : SIEMENS (S7 1200 CPU, HMI-TP1200 12").

Software : TIA Portal.
Responsibilities : **Developed** PLC logic, Scada screens And Involved in Commissioning Support.

✓ **Project: Titania Plant Automation.**

Client : BMC.
Role : Sr.Project Engineer.
Team size : 1
Controllers : SIEMENS (S7 400H Redundant System,S7 300 Redundant System, S7 1200 CPU'S).
Software : Simatic Manager and TIA Portal.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Filter Press Automation.**

Client : DCW.
Role : Sr.Project Engineer.
Team size : 1
Controllers : S7 1200 CPU.
Software : TIA Portal.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Oil Filling Station.**

Client : Johndere.
Role : Application Engineer.
Team size : 1
Controllers : AB Micro Logix 1200.
Software : Rs Logix.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Nitrogen Compressor.**

Client : Burkhardt Compressors Pvt Ltd.
Role : Application Engineer.
Team size : 1
Controllers : SIEMENS S7 300 CPU.
Software : TIA Portal.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Safety Monitoring System.**

Client : ISRO Propulsion Complex(IPRC).
Role : Sr.Project Engineer.
Team size : 1
Controllers : Berghof Controller.
Software : Codesys 3.5.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Power Monitoring System.**

Client : ISRO Propulsion Complex(IPRC).
Role : Sr.Project Engineer.
Team size : 1
Controllers : Gantner Controller(Q Bloxx) and Seneca Controllers.
Software : Test Com.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Automation for Waste Water Treatment Plant.**

Client : Allwin textiles.
Role : Application Engineer.
Team size : 1
Controllers : SIEMENS S7 1200 CPU.
Software : TIA Portal.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Sugar Supply Services.**

Client : M/s.Sucrocan Sourcing LLC,USA.
Role : Sr.Project Engineer.
Team size : 1
Controllers : S7 300 Redundant System.
Software : Simatic Manager V5.6 and TIA Portal.
Responsibilities : Programming.

✓ **Project: Common Effluent Treatment Plant.**

Client : M/s Windsor Sathyam P Ltd.
Role : Sr.Project Engineer.
Team size : 1
Controllers : SIEMENS S7 400H Redundant System.
Software : Simatic Manager V5.6.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Spray Drier Automation.**

Client : Hindustan Unilever Ltd.
Role : Application Engineer.
Team size : 1
Controllers : AB Micro Logix 1500.
Software : RsLogix.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Car Parking Ventilation.**

Client : Jayanthi Tech Park.
Role : Application Engineer.
Team size : 1
Controllers : SIEMENS S7 1200 CPU.
Software : TIA Portal.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Conveyor Automation.**

Client : HATSUN Agro Product Ltd.
Role : Sr.Project Engineer.
Team size : 1
Controllers : SIEMENS S7 1200 CPU.
Software : TIA Portal.
Responsibilities : Programming, Testing And Commissioning.

✓ **Project: Amara Raja Infro Oven.**

Client : Amara Raja, Chittoor.
Role : Sr.Project Engineer.
Team size : 1
Controllers : Berghof Controller.
Software : Codesys 3.5.
Responsibilities : Programming, Testing And Commissioning.

PERSONAL PROFILE

Father Name : Ganesan S
Date of Birth : 15th September, 1990
Sex : Male
Marital Status : Married
Languages Known : English, Tamil
Permanent Address : #73/47,
Veilukandamman koil street,
Tiruchendur-628215,
Thoothukudi-DT,
Tamilnadu,
India.

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Place :
Date :

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