

AREEKAL JOY JOHNSON

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Vishakhapatnam - 530007

OBJECTIVE:

To achieve high career growth as an expert in designing, commissioning and maintenance engineer through a continuous learning process and keep myself dynamic, visionary and competitive with the changing scenario of the world.

PROFESSIONAL ABRIDGEMENT:

- 4.5 years of experience in industrial & marine automation, service, maintenance and production.
- Expertise with sectors of program logic control and relay logic in domains of SAM (semi-automatic machine).
- Experience in working as a service engineer and site engineer in different ships and industries (Indian navy, SCI, DCI, RFCL etc.)
- Experience about installation, termination and commissioning of various ship building and industrial projects.
- Having experience in installation and programming of VFDs and Drives.

PROFESSIONAL ABILITIES:

- Passion for Automation, especially PLC, DCS, Electrical and Instrumentation systems.
- Having experience in installation and programming of VFDs and Drives.
- Good technical knowledge in troubleshooting of program and panel, expert in tracing of disconnected wires in panel board / machine.
- Excellent presentation skill by using Microsoft Office for automation new innovation.
- Good Knowledge covering all service aspects.
- Ability to understand the problem and solving it using easy methods..
- Decision making, critical thinking, organizing and planning skills.
- Strong verbal and communication skills.

CAREER PROFILE:-

PRESENT EXPERIENCE:

Company: SMEC AUTOMATIION PVT LTD.
Designation: Service Engineer.
Department: Electrical, Electronics and Instrumentation.
Duration: January 2020 to till date

Roles and Responsibilities:

- Installation and commissioning of various semi/fully automation systems in onboard vessel.
- Troubleshooting of boiler automation, fire alarm system, M/E alarm, Tank level gauging, ship steering gear sys.etc
- Calibration of various transmitters, gauges, meters, portable gas detectors and different types of fixed gas systems.
- Installation and commissioning of VFDs.
- Testing and verification of all safety systems including fire and gas detection system.
- Servicing all type of electrical and automation related panel board and PLC panel boards.
- Attending of all service jobs related to electrical and automation.
- Inspecting the systems and making proper defect list.

Projects:

- **Details: Boiler Commissioning in Taker vessel**

Location: Singapore Anchorage.

Responsibilities:

- Team leader for cabling, Installation of panels, termination.
- Commissioning engineer for various automation systems.
- Proving the system to the QC and Survey dept. etc.

- **Details: Over Overhauling of 650 HP synchronous Motor.**

Location: Mumbai Dry Dock Pump Room.

Responsibilities:

- Team leader for cabling, and termination.
- Handover the motor to third party vendor for overhauling.
- Proving the system to the QC and Survey dept. etc.

PREVIOUS EXPERIENCE:

Company: IB Automation PVT. LTD

Designation: Sr. Project Engineer

Department: Electrical and DCS.

Duration: March 2019 to December 2019

Roles and Responsibilities:

System Documentation

- Functional design specification (FDS) as per Tender and order copy.
- System architecture, Network architecture.
- BOM Preparation.
- Factory acceptance test (FAT) procedure.
- Site acceptance test (SAT) procedure.

Hardware Design

- Network/System/Marshaling Cabinet Hardware selection of MCB's, TB's, Fan.
- System/Marshaling cabinet General arrangement design.
- Cabinet internal wiring drawing, cabinet heat load calculation.

Logic Implementation/Configuration

- Implementation of logic / sequence of operation for Jockey Pump, Engine Driven Pump, Motor Driven Pump.
- Local Fire Fighting panel interface with PLC.
- Use of the ladder logic, FBD.
- Offline testing.

Pre-FAT, FAT & IFAT

- Build up the FAT setup
- Conduct the pre-FAT as per approved document & Preparation of pre-FAT report
- Conduct the FAT with client & end user.
- Modification in HMI graphics, Static and Dynamic changes.
- Prepare the FAT closeout report.
- Clear the punches after FAT.

Commissioning/Site Support (SAT)

- Installation supervision of the cabinet & field devices.
- Installation supervision of networking equipment and cabling.
- Pre-Power on check and Power on the equipment's as per the approved FDS.
- Modification in HMI graphics, Static and Dynamic changes.
- Conduct the SAT with client, end user.

Company: SMEC LABS
Designation: Automation Engineer
Department: Electrical and PLC.
Duration: February 2017 to February 2019

Roles and Responsibilities:

- Designated as Automation Engineer for incoming projects in which includes design Electrical layout preparation using AutoCAD and PLC Required.
- Electrical layout preparation for SLD and Commissioning.
- PLC troubleshooting and assisting in modification.
- Training new PLC engineers on operation and maintenance.
- Scada Designing in Intouch, Wincc and vijeo citect.
- Preparing daily reports including maintenance and troubleshooting details.
- Communication established between VFD and PLC.
- Interfacing between PLC and SCADA.
- Interfacing between PLC to HMI and VFD to HMI.

Controllers Used:

S7-200, S7-1200, AB Micrologix 1400, Schneider M340, TM241CE40R, Altivar (28,312) Drives, HMI (XBTGT2220, HMIGXU5512), Profibus Communication, Modbus communication and RS232 DF1 Communication.

PROJECTS ACCOMPLISHED:

- Pickup sensor of Main engine at Vessel.
- Worked at BARC Hospital for automatic tank level system.
- Boiler Actuator and Hot Plate at Vessel.
- Calibration of Tank Gauging System at Vessel.
- Deck Crane Starter at Vessel.
- Insulation, Port davit Crane and Deck Crane Contactor at Vessel.
- Bottle Filling Plant and Crusher Plant.
- LED cube controlled by PLC.
- Wired controlled Robot Using SCADA interface with PLC.

- 12 PLC and MCC Panel Designed and Commissioned.
 - I. AB Micrologix 1400.
 - II. Siemens S7-200 and S7-1200.
 - III. Schneider TWDLCDA40DRF, TM241CE40R and M340.
 - IV. Omron CP1E.
 - V. Delta DVP14SS2.
 - VI. GE.
 - VII. ABB 07KR51.
 - VIII. Mitsubishi FX3u-128M.
 - IX. Star to Delta Panel and DOI panel.
 - X. AMF panel.

Skills:

- AutoCAD 2016.

- Worked on Siemens S7-200 and S7-1200 using Microwin 32 and (TIA Portal Version 13) with Profibus & Ethernet, Schneider M340 and TM241CE40R using Unity Pro 4.0 and SoMachine v4.1, HMI using Vijeo Designer, AB Micrologix 1400 using RSLinx and RSLogix500, Wonderware intouch, Wincc V6.0.

Company: Logicon Solutions Pvt. Ltd
Designation: Electrical Executive
Department: Utility Department.
Duration: August 2015 to September 2016.

Roles and Responsibilities:

- Monitoring and Regular maintenance of following.
 - I. 2000 KVA Transformer.
 - II. 600 MVAR Capacitor Bank.
 - III. 600 and 12000 KVA Generators.
 - IV. 11KV VCB.
 - V. BMS.
 - VI. HVAC.
 - VII. Fire system Panel.
- Trouble Shooting of any electrical panel and system.
- Attended an Annual shutdown.
- Coordinating with Vendors for third party integration like UPS or Renovations.
- Coordinating with clients in the building.
- Co-ordination of Man Power planning and their activities during my shift.

EDUCATIONAL QUALIFICATION:

B.E : Bachelor of Engineering in Electrical & Electronics Engineering
ST. ALOYSIUS INSTITUTE OF TECHNOLOGY, JABALPUR (2011-2015)

Additional Qualifications:

- Post Graduate Diploma in Industrial Automation and DCS
(P.G.D.I.A)- SMEC LABS, Cochin.

COMPUTER PROFICIENCY:

- Designing Software:- Express PCB, Diptrace, Proteus 8, Cx-programmer, RSlogix, WPL soft, microwin, Tia Portal V13, Twido Sute, Unity Pro, GX developer, AC1131, Intouch, Wincc 6.0, Vijeo Citect, Vijeo designer and DELTA V 14.
- Office Tools:- Windows Operating System, Microsoft Office and Photoshop.

PERSONAL TRAITS

- Self-confident.
- Can easily grasp new technologies.
- Ability to work in a stressful environment and under pressure.
- Ability to handle any kind of situation.
- Flexible in traveling to as per required.

PERSONAL DETAILS

Date of Birth : 15-07-1993
Gender : Male
Father's Name : Mr. Areeakal Devassy Joy
Mother's Name : Mrs. Janet Joy
Nationality : Indian
Languages Known : English, Hindi and Malayalam
Passport Number : P0385010

DECLARATION:

I do hereby confirm that the information given in the resume is true and correct to the best of my knowledge

Date- 04-12-2020