

## RESUME

Name: Ahmed Yousif Egemiy Ahmed

**Electrical (Instrumentation and Control) Engineer**

### Personal Information's:

Date of Birth: 1<sup>st</sup> April 1987

Nationality: Sudanese

Religion: Muslim

Gender: Male

Marital Status: Married

National Service: Completed

Languages: Arabic & English

Driving license: Available

Experience: 6 years

### Address:

Khartoum north

Sudan



### Contact Info. :

Email:

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Tel:

**0918137679 - 0123327881**

### Qualification:

University of AL-Neelain - Faculty of Engineering

B.Sc. Honors in Electronic Engineering (Control).

Grade: Second Class / Division Two.

Graduated year: December 2013

### Graduation Project:

Automatic Ignition of Crude Oil Heater in Elobied Refinery Using seimens PLC step7-200.

### Education Courses:

- Industrial Automation engineering Diploma  
(PLC – SCADA – AC Drives – Instrumentation).
- Computer Networking Diploma
- English Language Diploma, (Excellent).
- Microsoft office Diploma, (very Good).

## **Experience:**

❖ *From 21 / 11 / 2019 until now;*

*Electrical maintenance engineer at Printech for printing and packaging, Jeedian Company.*

Doing maintenance for 36 machines most of them working by PLC siemens, Mitsubishi, omron and other control system.

❖ *From 8 / 2 / 2018 to 13 / 11/ 2019 ; for 2 years*

*Instrumentation and Control Engineer in electrical department at AL\_Takamol Cement Company.*

Job Description:

- Troubleshoot, modify and maintain control system DCS using (ECS version 7.7 by FLSmith automation with Modicon PLC from Schneider Electric programming by Unity Pro PLC program) edit, modification for PLC program of ladder, function block and STL with (FLS Library) using ACESYS Unity Pro Algorithm.
- Troubleshoot problems between the field signals and main PLCs to the Main network server's infrastructure.
- Troubleshoot problems for all industrial communication, Ethernet, Controller Link (optical fiber), serial communication, PROFIBUS-DP, DeviceNet.
- Calibration and Maintenance the field instrumentation; Temperature, Pressure, Flow and Level Transmitters and Switches, Control valves (Motorized and pneumatic), Loadcell, Gas Analyzers, Approximately Sensor. Material Flow Measurement of Brands (Schenck Belt Scale - Pfister Belt Weigh Feeder).
- Troubleshoot Electrical Problems (Main distribution system, MCCs, Drives, Motors, Bag Filters.....etc.)
- PID control.
- P&ID & hook up drawings

–MY Achievement in Automation:

- Install WIKOV gear box and two lubrication systems from A to Z Installing cables and sensors, configuration in from MCC Panel to PLC panel through Profibus connection, Configuration and programming in PLC and design a MIMIC DCS system.
- Add new project / Modify DCS and PLC projects.
- Make backup for PLC's, HMI screens, and Motor's Drives.
- Documentations for PLC backup, Servers /client's backup, spare part list.
- HMI programming and maintenance.

❖*from 1 / 8 / 2015 to 5 / 2/ 2018 ; for 3 years*

***Assistant Instrumentation Engineer*** at the Sudanese Sugar Company in the Senaar Sugar Factory.

Job Description:

- Troubleshoot, modify, and maintain control system programs Rockwell, Siemens PLCs, Elipse SCADA , PID control, continuous and batch automation, control valves, chemical manufacturing equipment .
- Implement maintenance works as outlined by the senior engineer to maintain normal plant operational condition and carry out troubleshooting and repairing any faults for all plant equipment.
- Ensure timely and accurate completion of preventive maintenance for Temperature, Pressure, Flow and Level Transmitters and Switches, Control valves (Motorized and pneumatic), Loadcell, Gas Analyzers, Approximately Sensor and other instrumentation equipment's used to monitor and control quality.
- Communication:  
Discuss potential problem areas with the senior engineer and assist in the preparation of a corrective action.
- Impromptu tasks fulfillment:

Perform any additional tasks required by the senior engineer and that match the job holder responsibilities and knowledge.

–Housekeeping:

Maintain cleanliness condition of all responsible areas.

Training:

- Training program in Electricity and Instrumentation section - Elobied Refinery Company for **1 month**.
- Training program in low voltage Network, Counters, Prepayment and Automatic Control Center – Sudanese Electricity Distribution Company Automatic Control Center for **1 month**.
- Training program in occupational health and safety- Occupational Health administration - Ministry of Health for **1 Weak**.