

# Ahmed Abdulmuttalib Osman Elzaki

## Certified Automation Professional

Certified Automation Professional@CAP® with more than +10 years of experience steam power plants in sugar factory and Oil and Gas field, have knowledge in SIMATIC manager, OPC, Various communication protocols such as Profibus (particularly Profibus DP) , AS-I and Modbus. have knowledge in ABB AC800F DCs and now studying CCNA. Have knowledge in flowmeter types and selection. Participate in DCs and instruments maintenance and troubleshooting. With included 7 months of experience as Basic IT skills teacher.



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## SKILLS

PLCs installation programming and troubleshooting

Modbus Protocol

Fast learning

Teamwork

Computer skills

Presentation skills

Interpersonal skills

Problem-Solving

CMMS (SAP)

## WORK EXPERIENCE

### Mechanical technician

#### Petro-Energy E&P. Co. Ltd

04/2015 - Present

Oil and Gas operating company

#### Achievements/Tasks

- Carry out preventive, corrective and overhaul maintenance for all mechanical equipment and associated instruments and control systems in the facility such as gas engines, pumps.
- Carry out Administrative services such as maintaining and updating equipment records and daily reports.
- work on CMMS (SAP) for material reservation of spare parts and inventory.
- participate and assist the foreman in preparing annual material request and receipt verification for requested materials.
- Improved staff skill in using computer and computer's applications such as MS office.
- Improved staff knowledge and skill in troubleshooting and maintaining hydraulic and Pneumatic systems through Instructor led classes and On job training.

### Nailan International Co. Ltd

#### Service Engineer

12/2013 - 04/2015

Sole Agent for MAN trucks and LANDINI off road machines

Sudan

#### Achievements/Tasks

- Carried out all types of maintenance for LANDINI off road machines particularly electrical and electronic systems
- Improved staff skills in maintaining electrical and electronic systems of LANDINI off road machines.
- initiated the communication link and negotiations with GASPARDO agricultural implements manufacturer to grant sole agency to Nailan international and establish new market in Sudan.



## WORK EXPERIENCE

### Assistant Engineer Sudanese Sugar. Co. Ltd

02/2011 - 12/2013

Assalaya Sugar Factory  
(Assalaya)

#### Achievements/Tasks

- Assist the shift engineer to assure safe and stable operation of steam power plant on crop season (Steam power boilers and turbines).
- Assist the senior engineer in overhauling steam turbines on off crop season and commissioning of steam turbines at the beginning of crop season.
- writing reports of the maintenance activities to the maintenance section head.



## EDUCATION

### MSc of Mechatronics Engineering Sudan University of Science and Technology

2015 - 2018

Sudan

#### Courses

- Design a Control system for F-800 Mud pump Unit



## CERTIFICATIONS

### Certified Automation Professional@(CAP@) (02/2021 - Present)

International Society of Automation (ISA)

- Certificate No.: 111543



## CONFERENCES & COURSES

### PRINCE2 foundation course (08/2019 - 08/2019)

Kiwi training center

### Using ANSI/ISA 62443 Standard to secure your Control Systems (01/2022)

International Society of Automation (ISA)

### Diploma of Programmable logic controllers (PLCs) (06/2010 - 09/2010)

Abdelbary Center for computer training and technical studies

- PLCs and HMI Hardware, programming and troubleshooting

### AS-i Virtual Academy course (04/2020)

AS-i Academy

- As-i basics, AS-i master, AS-i slaves, safety at work



## LANGUAGES

Arabic ● ● ● ● ●

English ● ● ● ● ○

German ● ● ○ ○ ○



## ORGANIZATIONS

### International Society of Automation (ISA) (08/2019 - Present)

Section leader- Sudan Section Secretary

### Sudanese Engineering Council (2009 - Present)

Member



## TEACHING EXPERIENCE

### Basic IT skills Teacher

British Educational Institutes

04/2010 - 11/2010

*Tasks/Achievements*

- Teacher of Basic IT skills includes Windows OS, MS office and internet browsing

Sudan

### Automation Seminars

International Society of Automation (ISA) - Sudan Section

08/2021 - Present

*Tasks/Achievements*

- Presenting and organizing various online Automation technical workshops and seminars in various automation fields

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Sudan



## INTERESTS

Teaching

Football

Volleyball

swimming

Reading

Video-games

