|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date of Birth | : | 12th Jun. 1986 | Mahmoud |  |
| Email: | : | [Mahmoud.338085@2freemail.com](mailto:Mahmoud.338085@2freemail.com) |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Nationality | : | Sudanese |  |  |
|  |  |  |  |  |

Personal Profile

The field of Industrial Automation has always been my interest and ultimate career line. Hence, I have set a goal for myself to join the team of a leading engineering firm to be able to develop myself further and share the nearly 6 years of knowledge and experience that I have acquired working in Industrial Automation in Oman and Sudan combined with my accredited Advanced Diploma of Industrial Automation (A Class practical continuing professional development). Working in the ME region has given me the opportunity to develop comprehensive skills in HVAC Control (BMS) from bidding to commissioning that I believe contributes greatly to me being an effective team player in this field and brings added value to the organization I am part of.

Academic Qualifications

2012 - 2014

Advanced Diploma of Industrial Automation

Practical continuing professional development A Class

Dublin Accord (52403WA) Engineering Institute Of Technology EIT West Perth, Australia http://www.eit.edu.au

2003 - 2008 B.Sc.(honors)/Control Engineering

Graduation Project:[Automation Of Kehaila East Agricultural Scheme]

University of Khartoum

Faculty of Engineering

Khartoum, Sudan

http://www.uofk.edu

|  |  |  |
| --- | --- | --- |
| Major Capabilities and Skills | Languages |  |
| Third-party Supervision | English (R - W - S) Fluent |  |
| Project Management & Performance | Arabic (R - W - S) Mother tongue |  |
| Quality & Details Orientation |  |  |
| Communication & Coordination |  |  |
|  |  |
| Market Research & Insight |  |  |
| Multi-tasking & Punctuality |  |  |
| Delegation & Follow up |  |  |
| Latest Technology Awareness |  |  |

Employment History

|  |  |  |
| --- | --- | --- |
| Sep. 2012 – July. 2016 |  |  |
|  | HVAC BMS Project Engineer |  |
|  |  |
|  | Electro Mechanical Division (EMD) |  |
|  | Muscat, Sultanate of Oman |  |

Clientele

Nizwa Grand Mall

Anantara Resort

Ministry of Defence

Taameer

Ministry of Education

Al Madina Financial Services

Royal Oman Police

Sep. 2009 - Oct. 2010

Clientele

DAL Group

In-house Projects

Sep. 2008 - Aug. 2009

Job Responsibilities:

* Responsible for Detailed Design Engineering, all shop drawings as per site conditions and main contract schedule.
* Coordinate with project Engineer to generate a Project Schedule.
* Preparations of DDC panel drawings in liaise with Draughts man.
* Coordinate with Starter Panel vendors & explain the I/O points for BMS connectivity.
* Explaining the shop drawings and DDC connectivity
* Project Management and commissioning of HVAC BMS projects.
* Project Management and Commissioning high level interfaces with various systems, and communication protocols.
* Worked on leading BMS products (Schneider Electric)
* Responsible for Pre-Sales, estimation, detailed proposals & design works for BMS projects in all aspects.

Achievements:

* Successfully delivered 7 projects for private and government sectors
* Successfully led negotiations and Partnership Agreement between Shamel and Schneider Electric for BMS products for Oman market.
* Successfully started the founding of BMS Division at Shamel

Sudanese Liquid Air (SLA) Company

Operation and maintenance Engineer

Part of DAL group companies (leading business group in Sudan) Gases production and distribution

Khartoum, Sudan

Job Responsibilities:

* Solely responsible for Oxygen Plant operations (3-shift Roster System)
* Being a member of the plant troubleshooting team
* Supervised the contractor’s installation of the new Oxygen & Nitrogen Plant.

Family Business

Installation Supervisor

Khartoum, Sudan

Clientele

Job Responsibilities:

* Supervised residential and medical buildings electrical installation

Residential Projects • Responsible over material procurement

Training Courses

31 January - 4 Feb 2016

13 April - 17 April 2014

5 March - 6 March 2014

23 February 2014

3 September 2007

22 August 2007

22 August 2007

SBOW+LonWorks with Xenta Devices

Schneider Electric Middle East, Africa (MEA) Training Center Dubai, United Arab Emirates

TAC Vista Menta/Xenta Basic Course

Schneider Electric Middle East, Africa (MEA) Training Center Dubai, United Arab Emirates

Building Management Systems BMS Pre-sales & Design Training

Schneider Electric Middle East, Africa (MEA) Training Center Dubai, United Arab Emirates

Building Management Systems BMS Sales Training

Schneider Electric Middle East, Africa (MEA) Training Center Dubai, United Arab Emirates

Certified Fiber Optic Technician (CFOT) And RFID Training

Significant Technologies SDN BHD (SIGtech)

Kuala Lumpur, Malaysia

Human Machine Interface (HMI) And SCADA Application

University Kuala Lumpur Malaysia France Institute

Kuala Lumpur, Malaysia

Training Course On Digital Electronics

Sudan Atomic Energy Commission Instrumentation Center

Khartoum, Sudan

Professional Society Memberships

Professional Association • Sudanese Engineering Council

* Corporate Membership

Institute Of Measurement & Control (MInstMC) United Kingdom (UK).

Voluntary Work

Social Initiatives

* University of Khartoum

Fountain Control with a PLC (S7-200) Engineer Week Exhibition Khartoum, Sudan

Personal Development

HVAC Controls & Industrial

Automation

References

* Sensors and auxiliary devices selection
* Control valves and dampers selection and sizing
* Control valves and dampers Actuators selection and sizing
* PID loop tuning
* Data Point List making and controllers selection
* Electric controls
* Analog electronic controls
* Pneumatic controls and compressor sizing
* Direct digital control (DDC)
* DDC networks and controls protocols
* Variable frequency drives selection
* SBO functional block diagram programming
* SBO graphic editor design and programming
* Work Place Tech programming for MNL and MNB controllers
* Integration with BacNet, Modbus, and LonWorks third-party devices

All references are available on request.