

Holds a B. Sc. in Industrial Electronics & Control Engineering and has about 3 years hands-on experience working in automation field. He can deal with any PLC, HMI, SCADA, motor drive and sensor by obtaining manuals.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/04/1993
Gender : Male
Marital Status : Single

EDUCATION

: B. Sc. in Industrial Electronics & Control Engineering, Menoufia University, 2014

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Master k 120s PLC (EHA certification).
- : Temperature controller "autonics" (EHA certification).
- : Temperature controller "delta" (EGICS certification).
- : HMI "XGT panel - XP Series" (EHA certification).
- : Plc vipa "100 v series" (mas TRRDING certification).
- : Scada "wincc flexible" (ACS certification).
- : Microcontroller course.
- : Matlab and Labview.
- : AutoCAD program.
- : English course (speaking – listening – conversation.....).
- : Self-Educational:
 - Industrial Automation Field:
 - Application Programming Software (PLC/SCADA).
 - Motors.
 - Variable Speed Drives (VSDs).

- Process Control Systems (PCSs).
- PID controller's implementation on PLCs and digital controllers.
- Software Engineering/Programming Languages:
 - Micro c.
 - C++.
 - Matlab.
 - Labview.
- : Trainings in the following factories:
 - Petroleum Refining Company in Tanta.
 - Elaraby glass factory.
 - Eipico factory (El Asher or Ramadan City).
 - Attended all control & automation Exhibitions.

CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Asec Automation
- Projects** :
- Algeria line 2 (KEBIFA) in AIN AL KEBIRA – SETIF – ALGERIA: Melange Crusher – additive crusher – raw mill – kiln – cooler – cement mill – packing – utilities – transport:
Scope:
 - Commissioning with PCS7 V8.1 – POLCID standard.
 - Maintenance simocode.
 - Programming ATS48 and communicating with PLC s7-400.
 - Communicating Variable speed Drive of type WEG with PLC s7-400.
 - Dealing with medium cells.
 - Yemen upgrade Line 1:
 - Scope: Engineering - documentation - Utilities programming - display medium cells on scada.
 - Standard programs: PCS7 V8.1 cemat standard.
 - Quena Egypt RDF:
 - Scope: Engineering - documentation.
 - Standard programs: Step7 V5.4 FLS standard.
 - HELWAN CEMENT COMPANY AF2:
 - Scope: Commissioning – Engineering – documentation.
 - Standard programs: Step7 V5.5 – Wincc flexible sp3.
- Job title** : Automation Engineer
- Job Description** :
- Engineering of Automation Projects in the Cement Industry including creating documents such as Sequence and Layer Flow sheets, General and Detailed Function Analysis, Design of function blocks and dynamic objects.
 - Level 1 and Level 2 programming.
 - Start-up in field including: Platform setup (Hardware and Software), PLC configuration, I/O configuration.
 - Commissioning: I/O testing, sequence testing, PLC to PLC communication, PLC to smart devices communication.
 - Post Start-up assistance and AS-Built documents preparation.
 - Experienced in PCS7.
 - Programming simocode.
 - Deal with variable speed drive like ATV48, sinamics, ABB.
 - Deal with soft starter such as ATS48.

- Drawing by AutoCAD.

Employer : Egics

Projects :

- AGA station (eight Filter disks – treated station – Master station – chemical station – chlorine station – raw station – sludge station): Scope: programming (PLC – HMI – SCADA – INSTRUMENTATION) – troubleshooting - sensors setting and fixing.
- Damietta station (20 Filter disks – Treated station – Raw station – Master station – chemical station – chlorine station): Scope: programming (PLC – HMI – SCADA – INSTRUMENTATION) – sensors setting.
- Alexandria for construction pump station: Scope: Drawing (AUTOCAD) – programming (PLC).

Job title : Automation & Instrumentation Engineer

Job Description :

- Engineering of Automation Projects in the treated water stations including creating documents and drawing electrical panels by using AutoCAD.
- Programming PLC, HMI and SCADA.
- Setting and fixing pressure, Flow, PH, temperature and level sensors.
- Start-up in field including: Platform setup (Hardware and Software), PLC configuration, I/O configuration.
- Commissioning: electrical panel checking, I/O testing, sequence testing, PLC to PLC communication, PLC to smart devices communication, sensors programming, setting and correct fixing.

Employer : 01electronics Company

Job Description :

- Ups (troubleshooting - fixing).
- Inverters, boosters, stabilizers and rectifiers.
- Boards maintenance.
- ATS control panel.

Employer : AUTOTEC Company

Job Description :

- Projects:
 - Alternative fuel: HELWAN CC AF2 (Configuration – Design – Drawing – Test – Commissioning – Troubleshooting).
 - Chiller unit: saline water conversion corporation RIYADH - Saudi Arabia (configuration – Design – Drawing).
 - Lafarge Sokhna AF LINE5 (Configuration – Design – Drawing – Test – Commissioning).
 - Union air (Configuration – Design – Drawing – Test – Commissioning).
 - Universal (Configuration – Design).
- Programming PLC's and Scada:
 - WINCC FLEXIBLE.
 - SIMATIC MANAGER.
 - TIA PORTAL.
 - RSLOGIX 500 (ALLEN BRADLEY).
 - Iduosoft software.
- Programming Language:
 - LADDER.
 - CFC.
 - GRAFET.

- FUNCTIONAL BLOCK DIAGRAM.
- Deal with drives.
- Instrumentation and Industrial Automation.
- Temperature controller:
 - Temperature controller "autonics".
 - Temperature controller "delta".