

Holds a B. Sc. in Industrial Electronics & Automatic Control Engineering and has about 5 years hands-on experience working in I&C field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 05/04/1990  
Gender : Male  
Marital Status : Married  
Residence : Heliopolis, Cairo

## **EDUCATION**

: B. Sc. in Industrial Electronics & Automatic Control Engineering, Menoufia University, 2012

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD  
: Flash  
: Matlab  
: Ladder Diagram, C programming

## **TRAINING COURSES AND CERTIFICATIONS**

: Industrial electronics and it's applications.  
: Electrical Power and Machines.  
: Instrumentation.  
: Linear and non linear Control engineering systems. Real time and digital control systems.  
: Programmable logic controller (PLCs) (NANO – MICRO – ZELIO).  
: Industrial automation systems.  
: MATLAB and simulink.  
: Power Distribution & Protection Systems.  
: English: IELTS Band score 6.

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2012 till now
- Employer** : Cairomatic Company for electro-mechanical works
- Job title** : Instrumentation & Control Engineer
- Job Description** :
- Design and support SCADA and PLC systems, condition monitoring, and project work including the commissioning and integration of new I&C / SCADA projects.
  - Work on projects that involve multiple applications including SCADA, plant controls, telecommunications networks, and related systems.
  - Prepare P&IDs, process control narratives, instrument lists and I/O (input/output) lists as part of project design and ongoing maintenance.
  - Prepare specifications and associated bid documents including cost estimates, schedules, and transition plans.
  - Coordinated and guided the production of I&C deliverable.
  - Interfaced with client and construction contractor representatives.
  - Developed and designed the application of instrumentation and control systems, provided hands on assistance to Electrical and Instrumentation Technicians.
  - Profound knowledge of requisite electric code.
  - Instruments Troubleshooting and Field Calibration Services.
  - Reviewed and prepared estimates, which include layout drawings, general arrangement drawings, specifications, and scope of work.
  - Conducted site visits as required to determine accessibility, tie-in requirements, and working conditions.
  - Carried out electrical engineering on a variety of projects such as motor control center panels (MCC) for screens, Belts, Bridges...etc.
  - Prepare technical standards, specifications, and procedures for individual and company-wide projects.
  - Prepare specification and data sheets for all plant Instrument and control valves. Prepare Hookup Drawings and loop diagrams.
  - Developed control logic diagrams, Cause & Effects, elementary wiring diagrams. Designed PLC control panel, layouts, Tracked Vendor/Shop progress, F.A.T and commissioning.
  - Maintenance and calibration of pneumatic control valves (Weir, Flowserv, Black borough, ...etc.) and part turn actuated valves (Bray, Airtorque, Flowtek, ...etc.).
  - Maintenance and calibration of different analyzers: Conductivity, Chlorine, PH, SDI, Redox, Turbidity, TDS (E&H, B&C, Krohne, ABB ...etc.).
  - Ensure Spares balance and inventory control for all instruments' spare parts.
  - Familiar with cathodic protection testing and Design.
  - Work Independent Supported by CAIROMATIC S.A.E:
    - ISA Standard instrumentation and control documentation.
    - Siemens s7-200 Basic Level.
    - Siemens s7-300 Advanced Level.