

**104997-CSX-15CMSi-E-2013**  
**Automation & Maintenance Engineer**

Holds a B. Sc. in Industrial Electronics & Control Engineering and has about 4 years experience working in automation field.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Nasr City, Cairo

## EDUCATION

: B. Sc. in Industrial Electronics & Control Engineering, Menoufia University, 2013

## LANGUAGES

Arabic : Native Language  
English : Very Good  
French : Basics

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Application Programming Software (PLC/SCADA):
  - Siemens Logo! Soft Comfort for Logo Logic Modules.
  - Siemens Micro Win software for S7 200.
  - Siemens SIMATIC WinCC SCADA Software.
  - Siemens SIMATIC Step7 for S7 300/S7 1200 and TIA.
  - Schneider Zelio Soft for Zelio Smart Relay.
  - Schneider PL707 software for TSX NANO PLCs.
  - Schneider PL7 Micro software for TSX Micro PLCs.
  - Schneider PLC modicon m340 ("UNITY").
  - HMI (Vijeo Designer) - SCADA (Vijeo Citect).
- : Variable Speed Drives (VSDs):
  - Ls inverter.
  - Schneider Altivar 58 Variable Speed Drives.
  - Schneider soft starter.
  - Delta driver.
- : Process Control Systems (PCSs): PID controller's implementation on the mentioned PLCs and Microcontrollers.

- : Embedded Systems Design:
  - Microcontrollers.
  - Microchip (PIC 16F84, PIC 16F877).
  - Arduino.
- : Software Engineering/Programming Languages:
  - AutoCAD – Matlab – NI (Labview – Multisim).
  - Exposed to C / C++.
- : Training at El-Araby Group.
- : Attended all control & automation Exhibition's.

## CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Delta Company
- Job title** : Automation & Maintenance Engineer
- Job Description** :
- Install control system consists of Siemens s7-300 plc and Tp-900 hmi to pure steam generator (a Siemens Simatic S7-300 with the CPU315 and SIMATIC HMI Device TP900 Comfort).
  - Install control system consists of Siemens s7-300 plc and Tp-900 hmi to wfi machine.
  - Install control system consists of Siemens s7-300 plc and Tp-900 hmi to steam sterailizer.

- Employer** : Elhamed Office
- Job Description** :
- Upgrade lypholizer machines using vipa plc and hmi.
  - Deal with vipa plc and delta hmi.
  - Deal with temperature controller and instrumentation.
  - TIA program to programming Siemens plc s7-1200 and simatic basic hmi 6 inch.

- Employer** : El-Araby Group (TOSHIBA El-Araby FACTORY)
- Job Description** :
- Programming PLC, HMI and SCADA (SCHNEIDER PRODUCT).
  - Deal with drives.
  - Instrumentation and Industrial Automation.
  - Participate in many projects (press control machine – ATS control system – graduation project (power management)).
    - Power management (El-Araby International Hospital):
      - Power management enables you to monitor, measure, and optimize your building's performance.
      - It gives you a simple view into the performance of your electrical system, with fast access to data, alerts and performance reports. Measure the most important electrical variables like: Power, Energy, Power factor, Current, Voltage, Frequency. In order to: Optimize the power consumption - Generate historical files - Save energy and therefore money.
      - Hardware and software.
      - Schneider PLC modicon m340 ("UNITY") HMI.
      - (Vijeo Designer) - SCADA (Vijeo Citect) Remote.
      - Inputs/Outputs (Advantys OTB Ethernet) Power.
      - Meter 750.
      - Ethernet Gateway EGX100.

- Communication: rs485 - Ethernet.

- Field of experience :**
- Deep understanding of Electrical Engineering and Computer Science together with Instrumentations and Industrial automation.
  - I can deal with any PLC and any Scada by obtaining manuals and software of it.