

Holds a B. Sc. in Mechatronics Engineering and has about 6 years hands-on experience working in automation field. Involved in process control systems of the cement industry, knowledgeable about different technologies, such as SCADA, PLC and DCS. Responsible for the overall safety and efficient running of the process, including hardware configuration, PLC program design, flow diagram and SCADA design.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 14/09/1989  
Gender : Male  
Residence : Heliopolis, Cairo

## **EDUCATION**

: B. Sc. in Mechatronics Engineering, Ain Shams University, 2011

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
French : Basics

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: Schneider PLC modicon M340 using Unity Pro  
: Honeywell PLC ML200 using softmaster  
: Microcontrollers Microchip 18f4620 using C/programming  
: Snap On/ATech Automotive Electricity 1810A  
: Snap On/ATech Automotive Electronics 1820A  
: Snap On/ATech Advanced Electricity/electronics 1835  
: Electro-pneumatic  
: CNC  
: Automation Studio

## **TRAINING COURSES AND CERTIFICATIONS**

: Microcontrollers & Embedded Systems Basic Level (36 hours), Jelecom, Ain Shams University (Jul. 2015).  
: Automation Basic Diploma (Classic Control, PLC, Scada) (72 hours), Compusystems (Schneider-Electric & Invensys Training Partner) (Aug.

- 2015).
- : Internships at:
    - Cairo Airport (Jul./Aug. 2009).
    - Badr El-Din for Oil & Gas (Badr 3 Western desert) (Jul./Aug. 2010).
    - Gas Cool for Refrigeration by Natural Gas (Aug. 2010).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2015 till now
- Employer** : Asec Automation
- Projects** :
- Batngas Republic-CRH Aboitiz Cement Plant (Philippines) (from Feb. 2016 till Jun. 2016):
    - DCS Revamping and upgrading for Cement Mill 2,3,4 and Coal Mill:
      - Upgrading the old control system for the three Finish Mills and Coal Mill using Siemens S7-400.
      - Programming level 1 (PLC) and level 2 (SCADA) using the PCS7 package software (Cemat Lafarge Standard).
      - Conducting Factory Acceptance Test (FAT) for the above mentioned area.
      - Supervising the installation of PLC panels and Automation System in field.
      - Conducting IO and sequence testing for various processes in the Cement Line including (Mill Feeding, Dust Collecting, Gas Circuit, CO2 Inertization, Hot Gas System and Product Transport).
      - Starting the four PLCs and conducting post start-up modifications on the process control due to the client requests.
  - Titan Al Max Cement Plant New Coal Mill (from Jun. 2016 till Dec. 2016):
    - Programming of Gebr-Pfeiffer Coal Mill:
      - Programming Siemens S7-400 using PCS7 & WinCC (cemat holcim library).
      - Conducting Factory Acceptance Test (FAT).
      - After Fat test documentation preparations.
      - Conducting IO and sequence testing for various processes in the coal production Line including (Mill Feeding - Coal Transport - Mill Lubrication - Material Discharge - Water Injection - Gas Routes - Hydraulic System).
- Job title** : Automation Engineer
- Job Description** :
- Analyse customer problems and resolves and closes customer complaints, as per assignment from the team leader.
  - Prepare engineering software/ hardware design documents such as Sequence and Layer Flow sheets, General and Detailed Function Analysis, Design of function blocks and dynamic objects for review by the lead engineer on the project.
  - Undertake the implementation and coding of software solutions using SIEMENS SIMATIC PCS7 & Step7 Package (Lafarge Standard & Cemat Holcim Standard).
  - Design of SCADA/HMI using WINCC Explorer.
  - Undertake the testing process including factory acceptance testing (FAT) and site acceptance testing (SAT).
  - Pre-Commissioning including: Platform setup (Hardware and Software), PLC configuration, I/O configuration.

- Post Start-up assistance and AS-Built documents preparation.
- Commissioning: I/O testing, sequence testing, PLC to PLC communication.
- Prepare and submit weekly activity reports to the team leader.

**Dates** : In Aug. 2015  
**Employer** : Giza Systems  
**Job title** : Automation & Process Control Trainee  
**Job Description** :

- Design of logic programs and control systems using Schneider PLC Modicon M340 & Honeywell PLC ML200.
- Scada & HMI system design using Vijeo Citect and Experion HS.

**Dates** : From Nov. 2014 till Jul. 2015  
**Employer** : Toyota Egypt  
**Job title** : Technical Service Advisor  
**Job Description** :

- Develop & maintain a working knowledge of the functions & operation of the various mechanical, hydraulic & electrical systems used on the vehicles on which the service department normally works.
- Ensure the customer's vehicle is fixed right by implementing the quality procedures.
- Ensure that repairs are carried out within promised time & estimated cost.
- Ensure chief technicians are following quality control policy & procedures.
- Understand computerized time control.
- Monitor closely the vehicles repairing.
- Customer complaints handling.
- Follow & implement TSA steps:
  - Appointment.
  - Reception.
  - Writing-up repair needs.
  - Monitoring work in progress.
  - Final check for delivery.
  - Job explanation at delivery.
  - Post service follow-up.

**Dates** : From Mar. 2014 till Oct. 2014  
**Employer** : The Egyptian Army  
**Job title** : "Automotive Lab" Instructor and Trainer (Reserve Officer)  
**Job Description** :

- Responsible for all the vehicle systems simulation panels about twenty seven for all the vehicle systems.
- Responsible to check the catalogues of the panels and understand all the components of the panel such as (modules, sensors, switches, relays and solenoids), the control circuit and the wiring diagram of each panel by self study.
- Responsible for the Lab classes management and manage the class students IDs.
- Prepare the material of each panel and choose the easy way to convey the information to the trainee officers.

- Test the trainees at the end of the training session by entering different fault codes for each trainee at different panels and monitor how the trainee can diagnose the fault error code and troubleshoot it.

**Dates** : From Oct. 2012 till Mar. 2014  
**Employer** : The Egyptian Army  
**Job title** : Workshop Team Leader (Reserve Officer)  
**Job Description** :
 

- Receiving work orders from reception.
- Managing team of mechanics and electrician and allocating the work load to the assigned Team members.
- Monitor and follow up on repairs.
- Give feedback to reception advisor if there's any necessary repairs not mention in the vehicle job.
- General vehicle service, maintenance, troubleshooting and diagnosing faults by scan tools like (Snap On Solus Pro, G-scan, Hi-scan, Toyota Dell Scan tool, Genisys, DRB 3).
- Using diagnostic tools for troubleshooting the trouble codes.

**Dates** : From Feb. 2011 till Jan. 2012  
**Employer** : GMI (Gold Mine International)  
**Job title** : Marketing Team Leader and Trainer  
**Job Description** :
 

- Team Leader over more than thousand member and responsible for the training of the team members to help them getting the desired skills to present our company and our products.
- Manage weekly training sessions for the new members of the team.
- Arrange public presentations for the company profile and the company products.
- Arrange meetings with the team heads to discuss the team problems and challenges that we could face.
- Develop a new and different strategies and ways to increase the team sales.
- Provide creative ways to motivate the team members and improve the team performance.