

Holds a B. Sc. in Mechatronics Engineering and has over 4 years hands-on experience and full understanding of the full life cycle of a Control System.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 29/04/1988  
Gender : Male  
Marital Status : Married  
Residence : Nasr City, Cairo

## EDUCATION

: B. Sc. in Mechatronics Engineering, Ain Shams University, 2012

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Diploma in Embedded System, AMIT (from Oct. 2012 till Jan. 2013):
  - C programming.
  - Operating System Fundamentals.
  - Embedded System Fundamentals.
  - Software Engineering.
  - Embedded C concepts.
  - RTOS.
  - Interfacing.
  - Testing and Validation.
- : Diploma in Motherboard maintenance, Semoha Academy (Oct./Nov. 2009):
  - Diagnosing and evaluating damage.
  - Replacement of broken components.
  - Repairing and updating the BIOS.
  - How to use Check Cards.
  - How to solder different electronic components.

- : Diploma, Mechanical Engineering, Vision Academy (from Sep. till Nov. 2008):
  - AutoCAD 2D and 3D 2007.
  - Inventor.
  - MATLAB.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2017 till now
- Employer** : GlaxoSmithKline (GSK) – Egypt
- Job title** : Production Maintenance Engineer
- Job Description** :
- Initiate, implement and manage plant maintenance program based on world class maintenance practices with an emphasis on planning, scheduling, preventive and predictive maintenance.
  - Create and update the preventive maintenance SOP of each machine considering all aspects of quality, safety and performance in accordance with local and global standards.
  - Conduct FMEA for plant machines to make sure all quality, safety and machine reliability aspects are properly addressed.
  - Conduct regular self-inspections (L1 quality and safety) and gap analysis.
  - Manage spare parts (Identification, assessment, categorization, storage, maintenance, use).
  - Create URS with detailed specifications for successful deliverables (right-first-time).
  - Modify and upgrade plant machines to improve performance to meet GSK engineering, quality and safety standards.
  - Apply Lean manufacturing using GPS tools (Problem solving, 5S, KPIs, LSW, OSW, GEMBA, CIF) for performance tracking and improvement to meet GSK objectives.
  - Lead the maintenance team and ensure they are competent and properly trained for complex maintenance activities, documentation and data integrity and world class maintenance methodologies and practices.

- Dates** : From Dec. 2014 till Apr. 2017
- Employer** : GlaxoSmithKline (GSK) – Egypt
- Job title** : Computer Systems Validation Engineer
- Job Description** :
- Apply V-Model concept for legacy and newly introduced computer and analytical systems.
  - Develop site validation master plan for plant systems with respect to validation life-cycle standard GQMP.
  - Perform all sorts of system testing (DR, IQ, OQ, PQ) to ensure that the system meets GSK standards and fit for the intended use.
  - Apply Lean manufacturing using GPS tools (Problem solving, 5S, KPIs, LSW, OSW, GEMBA, CIF) for performance tracking and improvements to meet corporate objectives.
  - Develop, update and maintain databases for site systems, site Excel spreadsheets and site compliance drawings and layouts.
  - Complete responsibility and accountability of site Excel spreadsheets validation.

- Create and develop qualification, calibration and validation SOPs.
- Design, creation and validation of complex (Macro based) Excel spreadsheets that is used to replace highly expensive software.
- Conduct Excel spreadsheets training globally across all GSK network.

**Dates** : From Mar. 2014 till Dec. 2014  
**Employer** : Highslant Co. (Kuwait)  
**Job title** : Microtunneling Field Engineer  
**Job Description** :

- Field preparation and setup.
- Micro-tunneling drill piloting.
- Electrical and mechanical maintenance.

**Dates** : From Jun. 2013 till Dec. 2013  
**Employer** : Ahmad Ishaq Co. (Kuwait)  
**Job title** : Building Management System (BMS) & Control Systems Engineer  
**Job Description** :

- Loytec PLC programming (Functional block diagrams).
- Designing of low voltage systems (CCTV, Public address, Intercom, IP telephony, IPTV, Access door).
- AutoCAD shop drawing to all system components and quantity surveying.
- Site visits and installations and testing to Audio visual devices.
- Electronic equipments testing and maintenance (LCD screens, Motion detectors, Access door system).

**Dates** : From Sep. 2012 till Mar. 2013  
**Project** : Private projects (Egypt)  
**Job title** : Freelancer (Embedded Systems Developer)  
**Job Description** :

- Project Watchdog Machine:
  - A self-invented embedded system made for "Cloverbrook Fabrics Factory in Egypt" to facilitate and automate the calculation of machine availability for better and accurate OEE calculations using Microchips, GSM module and encoders.
- Project LED Matrix:
  - A self-invented embedded system used to display text in 2 dimensional LED Matrix and manipulate text movement direction (scroll, slide, etc.) using Microchips.
- Project Availability Counter:
  - A self-invented embedded system made for "Cloverbrook Fabrics Factory in Egypt" to display stoppage durations for 4 critical machines using Microchips, current sensors and digital displays.
- Rail Robot:
  - A self-invented embedded system made for an individual client. It is a wireless controlled robot mounting a camera which moves over a rail and able to rotate 360° for surveillance purposes. Project used Microchips, motors, motor drives and proximity sensors.

**Dates** : From Mar. 2013 till Apr. 2013  
**Employer** : eBSEG Company  
**Job title** : Software Developer (Mobile web applications)

- Job Description** :
- Study new programming language (jQuery) and use it.
  - Troubleshoot and fix software formatting and display errors for "Rajhi Bank - Saudi Arabia" android application.

Technical Skills:

- MS Excel professional.
- MS Access (Designing database tables, relationships, forms, queries and reports).
- VBA (Microsoft office Macros).
- Loytec PLC programming (FB).
- PLC Ladder Diagram.
- Proteus (PCB designing and embedded systems simulation).
- Embedded C.
- MmikroC PRO for PIC.
- Arduino.
- AutoCAD.
- Inventor 3D modeling.