

Holds a B. Sc. in Electrical Engineering and has over 4 years experience working as Controls Engineer III, Operational Executive, Junior Automation Engineer and MEP Site Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/02/1996
Gender : Male
Marital Status : Single
Residence : Mokkatam, Cairo

EDUCATION

: B. Sc. in Electrical Engineering, Ain Shams University, 2018

LANGUAGES

Arabic : Native Language
English : Fluent
Italian : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Eplan
: Allen Bradley PLC
: CET designer
: NORDCON
: Dematic MRC
: TIA Portal
: PVSyst
: WinCC flex

TRAINING COURSES AND CERTIFICATIONS

: Active Energy Efficiency using Speed Control, Energy University online course, Schneider Electric.
: The Future of Medium Voltage Switchgear, Energy University online course, Schneider Electric.
: HVAC at JELECOM (summer 2018).

- : KNX Protocol Course at Schneider Electric (summer 2016).
- : Motor starters and Electric Drives at Schneider Electric (spring 2017).
- : Earthing and Ecodial program at Schneider Electric (spring 2017).
- : Training at Arab Contractors (summer 2015): The scope was to learn about distribution and electrical equipment in Hospitals and health care facilities. Also, the emergency and UPS Loads, their systems and types which are used most commonly.
- : Internship at MISC Industrial Automation (summer 2017):
 - Trained about automation from scratch.
 - HMI Programming and drawing via winCC flexible.
 - PLC Ladder Programming and Simatic Manager Training.
 - Commissioning activities at Mondelez International Factories.
 - Eplan training.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2020 till now
- Employer** : Advansys ESC, Cairo
- Job title** : Controls Engineer III
- Job Description** :
- Main customer is Dematic Europe (one of the biggest material handling service companies in the world).
 - Participate in all phases of new development including concept, design, building, installing, hand-over to customer and support.
 - Configure PLC hardware and industrial networks (Profibus, Profinet, ASi, CAN, Ethernet, ...etc.).
 - Hardware Design (EDLs & schematics) remotely for Amazon warehouses using Eplan and CET Designer (a Dematic tool) for the following projects in Europe TRN1, LBA4, MAD7, BGY1, MXP6, CDG7, WRO5, LTN4, HAJ1, ZAZ1 & BCN1.
 - Area lead responsibilities LCY2, HAJ1.
 - Safety layouts design BCN1, HAJ1, LCY2.
 - Commissioning and Start-up activities in 3 amazon warehouses LBA4, LCY2 & HAJ1 3 months in average for each project includes:
 - Download PLC programs.
 - Perform signal check from field to control panels.
 - Check Emergency Zones/ESTOP functionality.
 - Set-up of communication networks and gateways.
 - Drives parametrization.
 - Set-up Scanners and weighing systems.
 - Start-up the system and check the product flow for Stand-alone PLC areas and the fully integrated system.
 - Allen Bradley Studio 5000 PLC code development for 3 control areas in HAJ1.
 - Emulation testing for control areas in HAJ1 & ZAZ1.
 - Providing training support for junior engineers.
- Dates** : From Apr. 2019 till Sep. 2019
- Employer** : UNDO Services Bahrain (Office in Cairo)
- Job title** : Operational Executive

Job Description :

- Providing Technical and illustration reports.
- Cost control and analysis.
- Procurement and market research.
- Technical Research.
- Cooperating in Marketing, customer service and graphic design activities.
- Cooperating in application testing.
- Providing quality control system.

Dates : From Nov. 2018 till Apr. 2019
Employer : MISC Industrial Automation, Cairo
Project : Water Treatment Plant in a larger Power Plant in Assiut and Cairo West areas
Job title : Junior Automation Engineer
Job Description :

- Assist project manager in handling and coordinating activities in all project phases.
- Work with project manager to update project schedule and monthly progress report.
- Building Wiring Diagrams via Eplan.
- Junction boxes mechanical design for cable glands via AutoCAD.
- SCADA Drawing and Programming via TIA Portal.
- Power Calculations for Panels during design.
- I/O list Revision and discussion.
- Reviewing Simatic Training and PLC Programming.
- PLC Selection Basics.
- Commissioning activities.
- Reviewing P&IDs and learning the Control Philosophy.

Dates : From Jul. 2018 till Nov. 2018
Employer : Trust Engineering, Cairo
Project : Madinaty gate 1
Job title : MEP Site Engineer
Job Description :

- Successfully handing over Starbucks Drive-Thru Branch to the owner.
- Supervision over technicians.
- Coordination with the main Contractor & Drawing As-built diagrams.
- Handling over 30 technicians.
- Coordination with Purchasing and inventory departments.
- Attending meetings with owners and consultants.