Holds a B. Sc. in Electronics & Communication Engineering and has about 11 years hands-on experience in Instruments & Automation Systems Engineering, Design and Maintenance for instruments and control systems.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	04/10/1984
Gender	:	Male
Residence	:	10th of Ramadan City

EDUCATION

: B. Sc. in Electronics & Communication Engineering, OBOUR HIGH INSTITUTE for Engineering and Technology, 2006

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD – Aucoplan – Eplan
: PSPICE – Matlab – VHDL – etc.
: Programming language (C, C++, Visual Basic 6, etc.)

TRAINING COURSES AND CERTIFICATIONS

: PMP.
: CCNA (Certified Cisco Academy at ISI).
: AC800M-ABB.
: GSM.
: GPRS.
: CDMA 2000.
: UTMS.
: Certified NORTEL NETWORKS course at NTI in the following topics:
  - PDH/SDH Technologies.
  - WDM-DWDM Technologies.
  - New Fiber Trends.
  - SDH Multiplexer TN4XE Nortel Lab.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From May 2017 till now
Employer	:	ICS (Industrial Control Systems)
Job title	:	Senior Automation Engineer
Job Description	:	• Perform engineering for DCS, PLC, SCADA, RTU and HMI.

- Review of P&ID's, Preparation of Design Basis and I/O List and Logic Diagram.
- Perform design and develop documents including Control Logic Diagrams, Shutdown keys, Loop Diagrams, Instrument Indices, Setpoint Lists, DCS and PLC Design, Instrument Location and Installation Design.
- Develop control system architecture for DCS, PLC and HMI systems and select appropriate hardware. Develop panel layouts.
- Develop the I&C portion of P&ID's. Attend P&ID review and HAZOP meetings with internal teams and customers.
- Interface with suppliers for preliminary costing, instrument component selection, and submittal document review.
- Understand and assess client problems and determine appropriate means of solution.
- Support project execution through review of the control documents, engineering drawings, and manuals for projects.
- Support plant commissioning and performance testing.

Dates	:	From May 2010 till May 2017
Employer	:	Abu Zabbal for Fertilizers & Chemicals Co. (PolyServe Group)
Job title	:	Senior DCS Engineer
Job Description	:	• Handling automation maintenance routine / non-routine activities that include maintenance technical support, equipment inspection & data collection and analysis and reliability improvement.

- Ensure compliance with company HSEQ management policies.
- Follow the industry standards for maintenance activities in all DCS & PLC systems.
- Applying SCADA system for remote control & Telemetry, and applying the required maintenance to make system in healthy condition.
- Experience with Process control strategies and implementation of new control routines.
- Experience with configuration of controls system with cause & effects and P&ID's preferred.
- Experience with performing loop checks, continuity tests, factory acceptance tests (FAT), site acceptance tests (SAT) and performance tests for process control systems.

Dates	:	From Sep. 2006 till May 2010
Employer	:	Abu Zabbal for Fertilizers & Chemicals Co. (PolyServe Group)
Job title	:	Instrumentation Engineer
Job Description	:	• Maintenance for instruments and control systems and handling maintenance routine / non-routine activities.

- Generate a preventive maintenance activities list in instrumentation areas and work out with PM/QC group to optimize/reinforce PM activities

and frequency based on received feedback from maintenance department and to track PM effectiveness.
- Calibration, installation, and commissioning of all the types of field instruments like Level transmitters, flowmeters, pressure transmitters as continuous control furthermore discrete control.
- Designing and developing new control systems.

Systems knowledge:
- Experience on YOKOGAWA DCS (CS 3000 and centum VP).
- Experience on ABB AC800M & ABB AC800xA.
- Experience on SIEMENS PCS7 and SIEMENS TIA PORTAL.
- Experience on Siemens PLC (S7 200, S7 1200 and S7 300/400) and SCADA (WinCC flexible 2008).
- Experience on GE Fanuc PLC (90-30 and Versamax) and Proficy HMI/SCADA - CIMPLICITY.
- Experience on WAGO PLC with CoDeSys V2 and Movicon SCADA.
- Experience on MODICON PLC and Schneider VIJEO SCADA.
- Experience on ALLEN BRADLEY RsLogix500.
- Experience with Industrial communications protocols like Profibus, Modbus, DNP3, Ethernet...
- Familiar for Woodward 505e turbo generator governor control, Compressor Control Systems and PT 2010 vibration alarm system.
- Knowledge on many systems like HIMA, SIS and ESD systems.

Projects:
- 10th of Ramadan Water treatment (ICS) (Senior Automation Engineer).
- Met Ghamer Water treatment (ICS) (Senior Automation Engineer).
- El Mahmoudiya Water treatment (ICS) (Senior Automation Engineer).
- Skoda Turbo generator (15MW) Plant (AZFC) (DCS Team Leader).
- Sulfuric acid plants (2 plants) (AZFC) (DCS Team Leader).
- Phosphoric acid plant (AZFC) (DCS Engineer).
- Granulated fertilizers plants (4 factories) (AZFC) (I&C Commissioning Engineer).
- Demineralization water and Water treatment stations (AZFC) (I&C Commissioning Engineer).
- 4 Phosphate Mills (AZFC) (PLC & SCADA Engineer).
- Three Furnaces (AZFC) (PLC & SCADA Engineer).