Holds a B. Sc. in Electrical Power & Machines Engineering and has over 8 years hands-on experience working in automation field.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	07/04/1984
Gender	:	Male
Residence	:	Currently KSA

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2009

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : AutoCAD Electrical

TRAINING COURSES AND CERTIFICATIONS

- : Category B Award Certificate for Perfect Performance in China Nuclear Project – Invensys Operation Management.
- : Certified Person In Charge of Work PICW – ABB SA.
- : Attended a Protection Relays (LV & MV) training – ABB SA.
- : Conducted a workshop for BMS control scheme validation tools – Schneider Electric.
- : Conducted a crash course for Siemens S7 PLC programming – MASS Electronics.
- : Conducted a crash course & workshop for IGSS SCADA system design and implementation – MASS Electronics.
- : Attended training on process measurement instruments (sizing, selection and installation) – MASS Electronics.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2015 till now

Employer : ABB SA – Al-Khobar, KSA

Projects :
- Dhahiyah Substation – Jubail, KSA (from Dec. 2016 till Feb. 2017):
    - System installation and verification.
    - Commissioning according to IEC 61850 standard.
    - Database & gate-way engineering, testing, and energizing of the SS.
    - SAT activities.
- Bandreah Substation – Khobar, KSA (from Nov. 2015 till May 2016):
    - System installation and verification.
    - Commissioning according to IEC 61850 standard.
    - Database & gate-way engineering, testing, and energizing of the SS.
    - SAT activities.
- West of 2nd Industrial City Substation – Dammam, KSA (from Jul. 2015 till Sep. 2015):
    - System installation and verification.
    - Commissioning according to IEC 61850 standard.
    - Database & gate-way engineering, and testing of the SS.
    - SAT activities.
- King Fahad District Substation – Dammam, KSA (from Mar. 2015 till Jul. 2015):
    - System installation and verification.
    - Commissioning according to IEC 61850 standard.
    - Database & gate-way engineering, and testing of the SS.
    - SAT activities.

Job title : SAS Testing & Commissioning Engineer

Job Description :
- Substation Automation System Testing and Commissioning.
- IED Configuration as per IEC 61850 standard.
- Achievements:
    - Leading of 2 substations (energization phase not yet took place).
    - Participation of 3 successfully Energized Substations.

Dates : From Jan. 2014 till Feb. 2015

Employer : Schneider Electric (Formerly Invensys Operations Management IOM) – Foxboro MA, USA / Cairo, Egypt

Projects :
- NCI – Amman, Jordan (Remotely from Egypt) (from Aug. 2014 till Feb. 2015):
    - Control system hardware sizing and cabinet design.
    - Foxboro DCS control system application design & implementation.
    - FAT activities.
    - SAT activities.
- China Nuclear – Massachusetts, USA (from Oct. 2012 till Aug. 2014):
  8 Nuclear Electrical Power Generation Plants in China (Remotely from USA).
    - Cable listing tool design and implementation of cable lists.
    - Typical loop drawing design.
    - Hardware cabinet design/modification.
    - Leading a team remotely from US.

- IOCC – Labrador City, Canada (Remotely from Egypt) (from Aug. 2012 till Sep. 2012):
  - Creation and configuration of Foxboro DCS control system static & dynamic process displays.
- BASF BSM Validation – Texas, USA (Remotely from Egypt) (from Jan. 2012 till Jul. 2012):
  - Implementation and validation of Triconex ESD (Emergency Shut-Down system) & BMS (Boiler Management System) sequence applications.
  - Validation of applications using SIMSCI Logic Validator tool for iFat (Pre-FAT).

Job title	:	Senior Application (DCS) Hardware Design Engineer
Job Description	:	- DCS control applications implementation. - Control system cabinets design. - Achievements: - Participation of China Nuclear Power Plants mega project. - Leading a team of 4 members remotely from USA (China Nuclear Power Plants). - Participation of a successfully started up a rehabilitated petrochemical plant.

Dates	:	From Dec. 2011 till Dec. 2013
Employer	:	Invensys Operations Management (IOM) – Foxboro MA, USA / Cairo, Egypt
Job title	:	Application Engineer (SIS & DCS)
Job Description	:	- Safety Instrumented System (SIS) applications design and implementation. - DCS control applications design and implementation. - Achievements: - Leading of BMS (Boiler Management System) SIS scheme validation (1st of a kind in the company). - Creation of automated software tools to interface between SIS design software and 3rd party software (Excel-MS Office). - Participation of DCS application design projects.

Dates	:	From Aug. 2009 till Nov. 2011
Employer	:	MASS Electronics - Siemens System Integrator – Cairo, Egypt
Projects	:	- Compact Water Treatment Plant – Daqahliyah, Egypt (from Sep. 2011 till Nov. 2011): - Siemens PLC S7-300 control system design and implementation. - Control system and marshalling cabinet design. - Tank Gauging System – Suez, Egypt (from May 2011 till Jul. 2011): - Installation supervision of Tank gauging system. - Commissioning of process instruments and HMI displays. - SAT and starting up activities. - Daqahliyah Sugar Factory Line 2 – Daqahliyah, Egypt (from Jan. 2011 till Apr. 2011): - Installation supervision & configuration of various process measurement instruments and control valves. - Commissioning of PROFIBUS communication between field instruments and Siemens PCS. - Calibration and verification.

- SAT and system starting up activities.
- Gabal Al-Asfar Waste Water Treatment (Extension) - Qalubiyah, Egypt (from Oct. 2010 till Dec. 2010):
  - Control system upgrade and HMI system design using Modicon Quantum Series PLC and Citect HMI.
  - SAT activities.
- Alexandria Sanitary and Drainage Company - Alexandria, Egypt (from Jul. 2010 till Aug. 2010):
  - Rehabilitation of control system in East & West Alexandria waste water treatment plants using Modicon Quantum series PLC & GE iFix SCADA systems.
  - Communication implementation between WWP systems and control room IGSS SCADA system in company headquarter.
  - SAT and start-up activities.
- Port Said Water Treatment Plant - Port Said, Egypt (from Jul. 2010 till Aug. 2010):
  - Installation supervision and configuration of process measurement instruments and control valves of 8 treated water filters.
  - Calibration of pressure, flow and level measurement instruments.
  - SAT activities.
- Al-Jouf Agriculture Co. – Al-Jouf, KSA (Remotely from Egypt) (from Aug. 2009 till Nov. 2009):
  - Design and implementation of IGSS SCADA system for 22 Fruit/Vegetables wet (reserving) rooms.
  - Implementation of communication between IGSS SCADA system and Siemens S7-200 PLC control system.

Job title	:	I&C Engineer
Job Description	:	• Selection, sizing, installing & calibration of process measurement instruments.

- Selection, sizing, installing & calibration of process measurement instruments.
- PLC and SCADA control and supervision system design and implementation.
- Sales and tendering for process measurement instruments.
- Achievements:
  - Leading and participating in various projects of installing and starting up of process measurement instruments.
  - Calibration of Process measurement instruments for beverage, petrochemicals and oil & gas companies.
  - Participation in Selling and Tendering of Water and Gas Sampling Systems for Power Plants Turbine Boilers.
  - Developed a start-up strategy for Core Team of Process Automation.

Skills:
- Hands-on application design of Control, Safety Instrumented, and SCADA systems.
- Various Industrial Communication Protocol experience (HART, PROFIBUS PA. PROFIBUS DP, MODBUS….etc.).
- Process measurement instrumentation sizing, selection, installation and calibration.
- Commissioning, SAT and Start-up activities experience.
- Commercially aware and capability of dealing with clients face to face or on the phone.

- Excellent problem solving skills.
- Strong technical background.
- Can fit and effectively with any existing team.
- VBA Programming.
- Naturally strong desire to achieve goals and get results.
- Calmly dealing with unusual occurrences and difficult situations.