

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 17 years' experience in leading automation system troubleshooting including cross platform systems (PLC / PAC / RTU / DCS). Extensive experience in managing all projects' stages such as designing, planning, executing, monitor & control, and closing in all scales from small to turnkey projects for several industrial sectors like Oil & Gas, Petrochemical, Power generation/distribution, power/energy management, manufacturing processes, district cooling, and many more.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/04/1982
Gender : Male
Marital Status : Single
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Suez Canal University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2007 (2D)
: C++ and Java

TRAINING COURSES AND CERTIFICATIONS

: Schneider Electric Modicon advanced course, Adarsha Control and Automation India.
: Professional PMP Preparation Course, CIT SA.
: System Integrators Advanced Training, Rockwell Automation Dubai (2013).
: SIMATIC S7-300/400 Basic & Advanced Course, Siemens Egypt.
: Networking Professional Diploma, YAT Training Centre (2008).
: General English (level 11), American University in Cairo (AUC).
: Summer trainings at:

- Gold Star (Ahmed Bahgat Group) in 6th of October (2004).

- Suez Oil Company (Soco) in Ras Budran (2003).
- Gulf of Petroleum Company (GUPCO) in Ras Shokier (2003).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2017 till now
Employer : Multiple Clients worldwide
Projects :

- Security Control Room – programmer and a consultant for integrating and programming OPC software to communicate Camera Monitor System using C#
- Vacuum Excavation Control System
- Storehouse Control System
- Steam Extraction Machine Control System
- Biomass Boiler Control System

Job title : Freelancer

Dates : From Dec. 2010 till 2017
Employer : MISC Global for Contracting Company (Saudi Arabia)
Projects :

- SAFCO SF2 - REPLACEMENT OF DEMIN PLC, SA (Quantum & Vijeo Citect)
- King Abdul Aziz University Cooling Utility Plant II PCS in Jeddah, SA (ControlLogix, Micrologix RTUs & FactoryTalk View SE)
- SAMREF Doedijns two sampling system, Yunbu, SA (CompactLogix)
- ARAMCO Khurasania Sulfur Loading Station, SA (ControlLogix)
- MaAden Magnesite Processing Factory in Al Madina Al Munauara, SA (ControlLogix & FactoryTalk View SE)

Job titles :

- Project Manager (2015 - 2017)
- Team Leader (Dec. 2012 - 2015)
- Senior Project Engineer (Dec. 2010 - Dec. 2012)

Job Description :

- Lead selection and preparation of suitable solution by analysis automation tender documents to meet project specification.
- Organize meeting and site surveys with the clients for clarification and data collection to cross the customer satisfaction.
- Arrange the functional design and specification documents (FDS) for projects.
- Supervise programming and configuring automation systems (PAC, PLC, RTU, DCS, SCADA, PCS, etc...).
- Prepare all required tests like factory acceptance test (FAT) and site acceptance tests (SAT).

Dates : From Dec. 2008 till Dec. 2010
Employer : PICO (Petroleum Services and Investments)
Projects :

- GUPCO Gas Turbines Control System Upgrade, Turnkey Project (ControlLogix & FactoryTalk View SE)
- SUCO Power Plant Load Management System Revamping PMS (ControlLogix & Wonderware InTouch)
- Kahraman New Oil Facility PCS with On-Site Training (ControlLogix & RSView 32)
- GUPCO Burner Management System (Turnkey Project) (GuardPLC &

- PanelView)
 - Agiba Fuel Gas Compressors Upgrade (Turnkey Project) with On-Site Training (SLC & FactoryTalk ME)
 - Assiut Fire Fighting Pumps Control System with Training (SLC)
- Job title** : Automation Projects Engineer
- Job Description** :
- Evaluated functional specifications and other project documentation and composed automated test scripts to fully verify the correctness of functionality.
 - Provided leadership with design, development, implementation and maintenance of automated infrastructure, such as scripts, functions, programs, and processes to increase the efficiency of testing processes.
 - Managed vendors for automation system material supply and device, as well as instrumentation installation works.
- Dates** : From Mar. 2007 till Dec. 2008
- Employer** : ZELOG, Egypt
- Projects** :
- General Motors Egypt (GM Egypt) New Painting Station (ControlLogix, FactoryTalk View ME & Wonderware InTouch)
 - Khalda Petroleum Company (KPC) - El Kasr Site New Fuel Gas Skids (CompactLogix)
- Job title** : Control System Engineer
- Job Description** :
- Effectively prepared data sheets & programming for process measurement and controlled system for new painting station conveyors and electrical mobilizing system (EMS), also configured an Allen Bradley SIL2 Controllogix PAC.
 - Troubleshoot during the operation test and configured DeviceNet network for conveyor inverters and ems control system.
 - Designed conveyor SCADA system for painting process using Wonderware Intouch.
 - Monitored HMI system for conveyors and ems using review machine edition.
 - Operated new fuel gas skid units by designing, programming and commissioning an Allen Bradley CompactLogix control.
 - Completed panel rewiring for wiring configuration conflict with field instruments.
- Dates** : From Nov. 2006 till Feb. 2007
- Employer** : Arab Contractors (El Mokaaloon El Arab), Egypt
- Project** : Egyptian Media Production City
- Job title** : Building Management Supervising Engineer (BMS Engineer)
- Job Description** : Operating and supervising a Central Air Condition System through a Building Management System.
- Field of experience** :
- Full Command of Rockwell Automation, Schneider Modicon and SIEMENS SIMATIC.
 - Familiar with various Automation Platforms Selection & Configuration including Hot Standby Redundant systems, Warm/Software Standby Redundant systems, Redundant IO Configuration, SIL2/SIL3 hardware configuration and software programming, etc...

- Knowledge in Designing Automation Wireless Networks with Radio Communication (UHF/VHF), Frequency Hopping (Wi-Fi), and GPRS Communication.
- Very good command of Wonderware InTouch for SCADA System Design.
- Excellent Design knowledge and dealing with variant kinds of Automation Communication Protocols including Ethernet/IP, Modbus TCP, Industrial Ethernet, ControlNet, Modicon RIO (S908 bus), ProfiNet, Profibus, DeviceNet, Modbus RTU (Master/Slave), DH+/485, Rockwell RIO ...using variant Hardware/physical configuration.
- PowerFlex & SMC Flex Rockwell Drives Excellent knowledge and experience in selection & configuration.
- Power System Generation, Transmission, Distribution and Quality Improvement.
- Power System and Machines protection Excellent Knowledge.
- Computer Network Administrator and familiar with System Networking Installation, Configuration, and Administration.
- Familiar with Object Oriented Programming using C# and C++.
- Some Database knowledge using Microsoft SQL Server & Access.
- Strong leadership, analytical, problem solving, decision-making and team working skills.
- Proven track record of increasing company profitability by implementing continuous improvement projects that hit the bottom line.
- Instrumental in streamlining processes, enhancing productivity, and implementing effective solutions.
- Core Competencies:
 - Project Management.
 - Cross Functional Team Leadership.
 - Standard Operating Procedures.
 - Relationship Cultivation.
 - Staff Training & Development.
 - Proactive Personality.
 - Automation / Industrial Communication Protocols.
 - Rockwell Automation.
 - Schneider Electric.
 - Siemens.
 - Wonderware.
 - Drives (Inverters & Soft starters).
 - Field Instrumentation.