

105229-CSX-1DGS-E-2004
Application Engineering Manager

Holds a B. Sc. in Electronics Engineering (Computer and Systems) and has about 11 years hands-on experience working in automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/06/1982
Gender : Male
Marital Status : Single

EDUCATION

: B. Sc. in Electronics Engineering (Computer and Systems), Mansoura University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: MS Project
: MS Visio
: AutoCAD 2D, 3D Max 2010 and Photoshop ME

TRAINING COURSES AND CERTIFICATIONS

: Commissioning, testing and start-up training for GE Parallel Switchgear panels - GE-Zenith Controls, Chicago, USA (Mar./Apr. 2014).
: A business meeting for marketing of dynamic UPS and other Piller power system products - Piller Power systems Gmbh, Dubai (Feb. 2013).
: BMS System product line training for Design, Programming and technical support - Delta Controls, Krakow, Poland (Apr. 2011).
: Mastering Autodesk 3D MAX 2009, 2010 - YAT, Dokki, Egypt (from Apr. till Jun. 2010).
: BMS Control Design and Start-up with Commissioning - Swiss Contracting and Trading Co., Cairo, Egypt (Apr. 2008).
: CCNA networking - National Comm. & IT Institute, New Cairo, Egypt (Feb./Mar. 2008).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2011 till Oct. 2014
Employer : Elserafy Engineering LLC, Cairo - Egypt
Job title : Application Engineering Manager

Dates : From Apr. 2008 till Jan. 2011
Employer : Swiss for Contracting and Trading Co., 6th October - Egypt
Job title : Senior Project Engineer

Dates : From Sep. 2006 till Feb. 2008
Employer : Faculty of Engineering – Mansoura University
Job title : Assistant Lecturer (Instructor)

- Field of experience** :
- Highly talented and experienced B.M.S. Application Manager, with an extensive background in HVAC, DDCs and automation system.
 - Key Skills:
 - High knowledge and experience in Heating, ventilating, refrigeration, and air-conditioning (HVAC) control strategies, Applicable equipment's and related tools.
 - Ability to:
 - Maintain and configure Alerton Envision, and Delta controls ORCAView, ORCAweb software, and a demonstrated ability to program networked Alerton by Honeywell, and Delta controls hardware.
 - Design control systems even from complex sequences of operations.
 - Design advanced systems and/or programs related to building automation systems.
 - Communicate verbally and in writing with multiple parties of varying skill levels on a range of complex construction and building automation subjects.
 - Translate technical information into user-friendly program documentation.
 - Maintain effective supervisory relationships.
 - Meet multiple and conflicting project timelines.
 - Interpret processes, flow charts and schematics.
 - Diagnose and resolve advanced network operation problems at the enterprise level as it relates to building automation systems.
 - Study M.V lines with EasyPower Software for voltage Drop and Recommend the Best location for M.V Step Voltage regulator.
 - Familiar with all Alerton by Honeywell and Delta controls Building Technologies Products (DDC, Gateway, Automation software (Envision, Visual Logic programming, GCL+ programming languages and tool, ORCAview, enteliWEB, ORCAweb), Sensors, Actuators...).
 - Integrate many systems together using gateways through different protocols (Modbus, BACnet, LON, M-BUS, etc...).
 - Teaching many academic courses materials like Artificial intelligence, Modern and Classical Control systems.

- Maintain computer proficiency through professional meetings, seminars, and conferences and investigate new advancements in associated technology.
- Tracking the progress of implemented work according to Project Time Schedule, and Assist with subcontractors and other trades to ensure proper operation.
- Accept responsibility and able to work independently in stressful environment.
- High knowledge of Embedded systems for Microchip Controllers using Assembly and High level languages as PICBASIC PRO, and PICC.
- High knowledge of PLC languages like Ladder, and FBD.
- Member of EEA (Egyptian Engineers Syndicate).
- Study database system in general and develop a new project using Access and MySQL.
- Achievements:
 - 2008-2010: Participate in Development Alerton new Design for DDC Controller which integrate digital programmable thermostat into FCU DDC with suitable I/O Points sufficient for small applications in HVAC, the new design called VLD-362.
 - 2011-2014:
 - Implement a change of stationery suppliers, reducing costs by 40% to make Delta B.M.S System price suitable for Egypt market.
 - Prepare and present technical presentation to customers for Delta Controls B.M.S, Piller U.P.S, and Frequency converter.
 - Provide consultation to control specialists, technicians and management; troubleshoot and solve system problems.
 - Participate in studying Power flow in many M.V project and recommend the suitable Voltage Regulator location and quantity with Suitable settings.
 - Design and software test for small Capacity double conversion U.P.S.
 - 2014-now: Design a free Diesel generator Course for Engineers, and Technicians.