Holds a B. Sc. in Computers & Control Systems Engineering, a Diploma in Industrial Systems Engineering Technology and Preliminary Master's Degree. He is an experienced Low Current, BMS, SCADA & Security Systems Engineer with over 26 years experience in Computers & Control Systems industry. His background includes Low Current Systems, Building (BMS), SCADA Automation, Video Surveillance System, Electronic Access Control, Embedded Systems, Wireless & RFID, Project Management and UNIX Computer Systems.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	26/10/1964
Gender	:	Male
Residence	:	Heliopolis, Cairo

EDUCATION

- : B. Sc. in Computers & Control Systems Engineering, Ain Shams University, 1988
- : Diploma in Industrial Systems Engineering Technology, Ain Shams University, 1998
- : Preliminary Master's Degree (Course Work), Ain Shams University, 2000

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : PMP Project Management Professional, Exam Preparation Course (Sep. 2010), Brisk Consulting, Egypt.
- : Hewlett-Packard HP-UX Unix OS, Shell Programming, System Administration (1997), Orascom, Egypt.
- : CompTIA Security+ (2005), New Horizons Training Center, Egypt.
- : Training To Trainers (2006), IBM training course, Egypt.
- : LabWindows NI, Instrumentation & Process Control (1991), RealTime Systems (RTS) Co., Egypt.
- : Computer Control Systems (1995), Arabian Consultants Engineers Co., Egypt.

- : CBT (Computer Based Training), Self-Study Courses:
  - CompTIA Server+.
  - Linux Red Hat Certified Engineer (RHCE).
  - EMC Proven Professional Storage Area Network, SAN Implementation.
  - Certified Wireless Network Administrator (CWNA), Planet3 Wireless.
  - CompTIA IT Project+.
- : Further Self-Study Courses:
  - Program Management Professional (PgMP).
  - IP Video Surveillance Networks.
  - Cisco Design Associate (CCDA) & (CCNA).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Dec. 2014 till now
Job title	:	Freelancer
Job Description	:	Electrical Low current & Sound Reinforcement systems, Wireless Networks, Enterprise Campus Networks Design and Ethical hacking testing.

Dates	:	From Sep. 2008 till Nov. 2014
Employer	:	Arab Consulting Engineers (Moharram Bakhoum), Cairo
Job title	:	Senior Electrical Low Current, BMS & SCADA Design Engineer
Job Description	:	Technical Design, Submittals Reviewing & Approving with comments, CCTV, Access Control, Public Address, Building BMS, Water Plants SCADA, Room/Building Sound Acoustics Design, Fire Alarm Systems & Fire Modeling, Car Parking systems,Approving Airport Terminal Systems Contrator's Submittals.

Dates	:	From Sep. 2004 till Aug. 2008
Employer	:	Alexandria Construction Co. (Tal'aat Mustafa Group), Cairo
Job title	:	Electronic Equipments & IT Procurement Manager
Job Description	:	IT Support, Documents Control, Electronic Equipments Procurement, Contracting, Negotiation, Submittals Review & Evaluation.

Dates	:	From Sep. 2000 till Aug. 2004
Employer	:	Arabian Computer Projects, Ltd. (ACP), Riyadh – Saudi Arabia
Job title	:	Security Systems Engineer
Job Description	:	Physical Security Systems, Video Surveillance, Access Control, Techncial Support, Customer Support, Database SQL & custom reports generation.

Dates	:	From Sep. 1999 till Aug. 2000
Employer	:	Information & Decision Support Center (IDSC), "Cabinet", Cairo
Job title	:	UNIX System Administrator
Job Description	:	Administration of Data center of Heterogeneous UNIX Servers Platforms, and Sybase DBase Applications, Troubleshooting Systems Errors, Generating SQL Script for Reports, Providing new technical solutions, Software Development, Planning IT Information Security & Enterprise Antivrus & IDS/IPS Protection.

Dates	:	From Oct. 1995 till Aug. 1999
Employer	:	Design & Technology Development Center (DTDC), "Military Production", Cairo
Job title	:	System Administrator
Job Description	:	Administration IT HP CAD/CAM Unix Workstations & I-Deas Application LAN, HP A0 Plotters, PCs Support, Database Development.

Dates	:	From Sep. 1994 till Sep. 1995
Employer	:	Engineering Company for Trading and Supplies (ETS), Egypt
Job title	:	Project Manager (IT Project: Suez Canal University)
Job Description	:	Project Management, ATM Networks Design, UNIX, Site Preparation.

Dates	:	From Sep. 1991 till Aug. 1994
Employer	:	Advanced Computer Technology Co. (ACT), Cairo, Egypt
Job title	:	Technical Support Engineer
Job Description	:	UNIX systems, Novell Netware, Customer Support, Instructing Courses.

Dates	:	From Oct. 1989 till Aug. 1991
Employer	:	MisrTrontech Co., Cairo, Egypt
Job title	:	Computers Engineer
Job Description	:	Computerized Shooting Range Project, Electronics, Computer Control, Software Development, Microcontrollers.

Further experience:

Courses instructed:

- MATLAB (Technical Computing Course), INFORM Education Center (IBM Partner), Cairo (Mar. 2012).
- Wireless Sensors Networks & RFID Course (2010), Sky Link International, Cairo.
- Embedded Linux Systems Course (2010), Sky Link International, Cairo.
- Video Surveillance Security (2010), Sky Link International, Cairo.
- Information Security & Ethical Hacking Course (2010), Sky Link International, Cairo.
- IBM Tivoli Enterprise Middleware Management (2005), CCIE Cairo, Egypt.
- Enterprise Access Control Security, Fundamental & Practical Course (2001), ACP Co., Saudi Arabia.
- Novell Netware Network Operating System, UNIX, DOS, TCP/IP Courses (1994), ACT, Cairo.

Field of experience	:	• Experienced "Networking Infrastructure Electrical Design Engineer" with over 26 years experience in information technology field. My background includes:
		   - Networks Infrastructure.
		   - Video Surveillance System.
		   - Wireless & RFID.

- SAN Storage Systems
- Data Centers.
- Cloud Infrastructure.
- UNIX Computer Systems.
- Information Security.
- Project Management.
- Designed & Planned CCTV security projects, site surveys, technical documents and budgeting.
- Revewing Tanzania Airport Terminal III, (ICT, Low-Current, BMS, Fire) Contrator's Submittals.
- Managed the project planning & coordination and deployment of "Suez Canal University" Information Network systems for new establishments and upgrading the older system, with new technologies has added major advantages and benefits in a modern educational environment.
- Contracted with suppliers for WiMax, Primavera, HP Servers, for PMO of Madinaty City Project.
- Manage the full range of project development with a specific emphasis on designing and supporting inter-networks using Microsoft and Cisco products, with a primary focus in delivering project scope within budget and schedule.
- Proven track record in highlighting and resolving issues in a diverse, technical environment and coordinating team efforts for installations, upgrades, and problem resolution.
- Broad experience with building, maintaining and upgrading hardware and small networks, and with installing and configuring operating systems and applications.
- Highlights of Functional Skills & Accomplishments:
  - Networks Infrastructure Design:
    - Designed an Integrated Security System of Electronic Access Control and Video Surveillance Systems, for STC (Saudi Telecom Company), Saudi Arabia.
    - Designed an upgrade system for Suez Canal University's Information Infrastructure Data Network Project, integrating ATM Backbone core switches, Ethernet Workgroup Switches, Fiber optic cabling, Siemens UNIX Servers & Silicon Graphic Workstations Labs.
    - Reviewed & Approved Tanzania Airport Terminal III, low current Infrastructure Systems Contrator's Submittals Design Development phases.
  - Unix System Administration:
    - Excellent skills in UNIX System Management concepts including, Veritas Volume Manager and file system organization, allocation and maintenance, configuration and installation of storage subsystem, backup/restore strategies, implementation, management and troubleshooting.
    - Wrote UNIX shell and bash scripts to automate scheduled tapes of database projects backup.
    - Administered IBM RS/6000 running AIX based Enterprise Access Control Security Application.
    - Administered Multi platforms Unix servers (Aix, digital, Iris, Solaris, True64) in heterogeneous environment running Sybase database Projects.

- Administarted EMC Clariion CX-series storage arrays.
- Designed and implemented SAN to improve utilization of storage assets and support shared access for clusters and VMware ESX.
- Administered eight HP-UX 10.20 Unix HP 9000 Model VISUALIZE C360 Workstations, running I-Deas CAD/CAM software application.
- Planned for deployment of Siemens Nixdorf Unix Servers in the (Suez canal university's project) labs.
- Installed and configured operating systems, software, and hardware.
- Identified and resolved hardware, software, and network problems.

- IT & Information Security Management:
  - Reviewed and approved configuration changes for perimeter security devices.
  - Performed information security risk analysis vulnerability assessment and penetration testing.
  - Gained familiarity and expertise with information security models, frameworks, and methodologies, including COSO Enterprise Risk Management Framework, CobiT, OCTAVE and ISO 17799/27002, by integrating applicable best practices into the information security management program.

- Physical Security Systems:
  - Directed a Technical Support team of Engineers & Technicians for delivering technical support services.
  - Managed the Geutebruck, Pelco & GE Security, video surveillance CCTV Products presales proposals.
  - Managed the GE Security, Lenel & Timelink Access Control Security Products technical support.
  - Prepared presales technical proposal, for the Cairo Airport Boarding, Enterprise Application - Independent, Automatic "Passengers Passport Reader" Device.

- Project Management:
  - Planned many CCTV security projects, including site surveys, technical documents and budgeting.
  - Contracted with suppliers for WiMax, Primavera, HP Servers, for PMO of Madinaty City project.
  - Managed the project planning & coordination and deployment of "Suez Canal University" Information Network systems for new establishments and upgrade older system, with new technologies has added major advantages and benefits in a modern education system.
  - Supervised teams of up to 10 members.
  - Delivered the Projects on time, on budget and within scope.

- Past Projects Skills include:
  - I had planned and managed the full range of project development with a specific emphasis on designing and supporting IT Siemens Nixdorf, Silicon Graphics, Madge Communications Systems for Suez Canal University, Super Highway Information Network Project, GE Security (Enterprise Access Control Systems), Pelco/Geutebruck Video Surveillance Security Systems Projects and Rockwell Automation & Motorola Control RTUs &

communication projects, with a primary focus in delivering project scope within budget and schedule.

- I had implemented and technically supported an enterprise security access control systems based on GE Security (Microsoft Windows & SQL Servers/application and IBM AIX Unix & Informix database based system/application), in STC (Saudi Telecom Company) and MOI (National Information Center - Saudi Arabia, Riyadh).

- I have procurement management experience in Talaat Mustafa Group, Alexandria Construction company, (Madinaty city contractor), in various utilities multi-milloins projects, in water and wastewater treatment plants in Egypt: (starting with studying the BID, receiving the sub-contrator's proposals, then evaluating it in technical & financial rules and preparing the comparison reports for the senior management to decide the best offer, and also had suggested an assessment & weighting criteria for decision making, and the major supplier's vendors include ABB, Siemens, Schnieder Electric, Rockwell Automation (Allan bradely), GE Fanuc, and have prepared the paper contracts with the suppliers), and some of the executed projects are:

  - Water purification plant for El Obour & Sherouk cities, phases 1 & 2 "El Obour City".
  - Construction of wastewater treatment plant at "New Cairo".
  - Fresh Water Pipeline and Associated Intake System "Damietta".