Holds a B. Sc. in Communication & Electronics Engineering and has over 9 years hands-on experience working as Electrical & Control Engineer.

PERSONAL DATA

Nationality	**:**	Egyptian
Birth Date	**:**	11/11/1988
Gender	**:**	Male
Marital Status	**:**	Married
Residence	**:**	Alexandria

EDUCATION

	:	B. Sc. in Communication & Electronics Engineering, Alexandria University, 2011

LANGUAGES

Arabic	**:**	Native Language
English	**:**	Very Good

COMPUTER SKILLS

- **:** Windows, MS Office, Internet
- **:** AutoCAD
- **:** VMWARE (Solaris)
- **:** SQL database
- **:** Cisco Packet Tracer
- **:** GNS3
- **:** Linux, Unix
- **:** National instruments Multisim (electronics design)
- **:** HTML, CSS and Javascript using Bootstraps and Codeigniter (web design and develop)
- **:** Java programing language
- **:** Logixpro (for PLC)
- **:** SIMATIC MANAGER (for PLC)
- **:** SIMATIC WIN CC (for WIN CC)
- **:** Proteus (ISIS and ARES) (electronics layout boards)
- **:** Matlab
- **:** Photoshop
- **:** General Electric Scada system Applications

TRAINING COURSES AND CERTIFICATIONS

- Trainings as Scada & Control Engineer at Alexandria Mineral Oils Co. (AMOC) in 2008 and 2009.
- Training as Site Communication Engineer at Orascom Trading Co. in 2011.
- Unix operating system and SQL database (Sybase - Oracle).
- Linux RedHat and CentOS (Self-Study).
- Scada Overview - GE system (General Electric training course in Egypt).
- Database and display building - GE system (General Electric training course in Dubai).
- Application Software - GE system (General Electric training course in Dubai).
- Communication Software - GE system (General Electric training course in Dubai).
- CCNA (Self-Study).
- AutoCAD (Self-Study).
- SCADA system (Self-Study)
- Electrical design (self-study).
- Studied transformers 11KV / 380-220 V, cable types, testing cables, finding faults in cable, electric elements (contactors, overloads, circuit breakers, phase sequence and correction), electricity networks from Alexandria Electricity Distribution Company.
- PLC from Petroleum Complex (professional training institute).
- WINCC from Professional Training Institute.
- Java Programming language (Self-Study).
- Html, Css, JavaScript, Php, Bootstraps and Codeigniter (Self-Study).
- Mobile Packet: Studied generation of mobile network from 0G to 4G.
- Basics electronics and embedded systems: Studied C language, C++ language and the basics of electronics.
- ICDL (MS Windows and Office) (self-study).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From 2016 till now
Employer	:	Al-Hashemia for agriculture and reclamation
Job titles	:	• Head Section of electrical department (from 2019 till now)
		• Senior Electrical Engineer (from 2016 till 2019)
Job Description	:	• Responsible for all electrical elements and equipment in an area of more than 10,000 acre.
		• High experience in Medium Voltage (11KV, 22KV) and Low voltage.
		• Design the power line from Government Substation to the site (MV 22KV, MV underground cables, power towers, overhead lines and LBS).
		• Supervising and implementing all works needed to deliver electricity to the site.
		• Follow standard rules in Cable laying and burial.
		• Raise electricity towers and tightening electrical wires.
		• Responsible for more than 100 well (submersible pumps from 75 hp to 150 hp such as grundfos, franklin and caprari) and 5hp motors that used

in fertilizing.
- Responsible for Transformers (100, 200, 500, 3000 KVA) type: Maco, matelec and ABB.
- High experience in Star-Delta, Soft-start, Drive and auto-transformer electrical panels.
- Good experience in Generators (100 - 200 - 500 - 1000 KVA) types: Cummins and CAT.
- Responsible for electric power station that contain generators and RMUs using deepsea control units.
- Organizing work and making a plan for it.
- Supervise site and solve problems.
- Follow the work progress and manpower.
- Follow consultant comments and revise it.
- Coordinate with electrical suppliers regarding material and site needs.
- Attend FAT (Transformers, Distribution Electrical Panels and MV electricity towers).

Dates	:	From Jun. 2012 till now
Employer	:	Alexandria Electricity Distribution Company
Job title	:	Scada & System Engineer
Job Description	:	

- High experience in Linux (RedHat, CentOS), Unix, Windows 7, Windows 8 and Windows 10 operating systems.
- High experiences in SQL database (select columns from tables using where condition to display data, insert new data to tables and update and set the existing data, join two tables to display data from the two tables, delete specific data from tables).
- High experience in Shell, Bash scripts (write shell, bash scripts like scheduled scripts to run automatically or display data from files, order it and modify it, take data from SQL database and make action on, run programs that benefits the system, take specific data from user to get information about this data and the ability to edit it or use it).
- Troubleshooting the system and testing scripts.
- Solving problems, fixing errors and bugs and developing the system.
- Responsible for a system of nodes. Guarantee stability and high availability of the system.
- Good experience in Firewall, iptables, partitioning and LVM.
- High experience in Vmware.
- Good experience in Networking (Routing, Switching, DNS, NTP and DHCP Servers).
- Monitoring Services, applications and logs.
- Testing and commissioning.
- Keep the system with high availability and performance.
- Working on SCADA system and its applications (GUI editor, historical alarms and data, filtering and extracting the desired data from historical applications, read received data and use it in analysis applications, do real actions on the electricity network of Alexandria for example: Close or Open CB and isolate damaged cables or rooms for maintenance).
- Data and orders are sent and received through RTU and antenna.
- Studying loads on an area to select types and sizes of cables for medium voltage 11KV and low voltage 380-220 V with frequency 50 Hz.
- Finding faults in cables, isolating the fault then fixing it.

- Good experience in PLC and writing programs using LAD and FBD.
- Projects: Upgrade control centers in east (2019), middle (2020) and west (2018) of Alexandria - Work as Scada Expert:
    - Discuss the best specifications with the consultant to write our tender document.
    - Rereading the bidding to put comments and send to the consultant to edit it.
    - Receiving clarifications from vendors and answer it.
    - Reading the vendors' bid proposals to check if they meet our requirements.
    - Checking deviation points to discuss with vendors to edit and reach an agreement.
    - Supervise vendors working steps and send reports and comments to the consultant.

Dates	:	From 2013 till 2015 (Freelancer)
Job title	:	Software Engineer (Web designer and developer)
Job Description	:	

- Good experience in HTML, CSS and JavaScript.
- Good experience in PHP and Apache server.
- Good experience in frameworks like Bootstraps for web design and styling.
- Good experience in frameworks like Codeigniter for web development and database.
- Basics of Photoshop.

Dates	:	From Jun. 2012 till 2017
Employer	:	AICS
Job title	:	Electrical Engineer
Job Description	:	

- Design SLD, Electrical systems using AutoCAD.
- Place electrical components on Revit.
- Make calculation on loads.
- Design the electricity network with suitable feeding cables according to loads.
- Choosing suitable transformers, circuit breakers, electric panels containing phase sequence and correction, contactors, relays and overloads, cables, trays and switches for electricity network.
- Assembly of components inside electric panels and installing it.