

# MOHAMED EL SAUDI

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## SUMMARY

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Experienced systems engineer with more than 20 years of experience in designing, integrating, maintaining and administrating automatic control, monitoring and energy management systems with the ability of designing custom made solutions from scratch. Very well aware of and easily adapting with new technologies. Passionate trainer and guiding documentations author.

For more information check my website at <https://msaudi.me/>

## ENGINEERING SKILLS

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- Thorough knowledge of electric systems and their integration methodology both high current and low current systems
- Excellent skills in utilizing different types of sensors including and not limited to motion, proximity, presence, heat and smoke sensors
- Strong experience in data acquisition, logging, analysis reports
- Comprehensive knowledge of different communication bus protocols and technologies and continuously following up their evolving curves (KNX, Serial Comm, TCP/IP, Modbus and more..)
- Automatic control systems, engineering design, specifications and production of electrical and manufacturing techniques along with other related discipline in different application environments (Residential and Commercial)
- Integrate automated and computerized systems (hardware and software)
- Certified [AMX](#) designer, installer and programmer. With 15 years of continuous programming experience
- Details oriented and a logical thinker
- Experience in problem solving, analyzing and evaluating data
- Excellent leadership abilities, able to multi-task, develop and implement innovative solutions
- An effective communicator/trainer (written and oral) able to convey complex concepts in a straightforward manner

## INFORMATION TECHNOLOGY SKILLS

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- Strong shell scripting in [Bash](#), [Python](#), and [tcl](#)
- Strong knowledge of [GNU/Linux](#) systems administration including but not limited to
  - ◆ [Debian](#) and [derivatives](#) (Ubuntu, Mint)
  - ◆ RedHat & CentOS
- Linux RAID (mdadm) management
- LVM management
- Web servers Apache and Nginx
- OpenVPN deployment
- SSL Tunneling
- Virtualization with [Proxmox](#) & [Oracle VirtualBox](#)
- Efficient in small/medium scale network setups, installation, maintenance and troubleshooting
- Thorough knowledge of programming techniques with the ability to adopt any programming language for development

## WORK EXPERIENCE

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### ❖ **Freelance Engineering Services**      **November 2018 to -Present-**

Performed the following activities:

- Energy consumption optimization consultancy
- Workflow enhancements
- Authoring training materials
- Exploring other ventures in different technological aspects

### ❖ **LSEgypt**      **September 2015 to August 2018**

**Chief Technical Officer**

A stronger engage in the commercial business market with different segments. Levelled up integration of automatic control and energy management with IoT technology.

- Buildings automation systems  
(Banks & Petroleum sectors)
- Energy Monitoring and management systems  
(Banks & Petroleum sectors)
- Typical job role of my previous employer mentioned below

### ❖ **Sphere Smart Solutions**      **March 2012 to August 2015**

**Chief Technical Officer**

I have achieved major contributions in company startup. All my automatic control experience has been applied and utilized, experienced the handling of bigger and multiple projects and gained more managerial skills.

- Solar Energy Feasibility Studies  
Perform cost and yields analysis for renewable energy investments in Agriculture and Tourism sectors
- Solutions Development  
Researching and innovating custom systems to satisfy consumer demand for new technologies
- Design and Implement Automation Systems  
Smart and automatic control of devices/equipment for convenience, maximum efficiency and power saving
- Operation Management  
Handling contracted projects (purchases, installation, commissioning)
- Quality Control  
Apply monitoring measures in workflow process to ensure high quality and trouble free installations
- Pre-Sales and Commercial Support  
Providing technical information and support to commercial activities personnel
- Products Selection  
Researching and recommending of products/brand names for systems deployment
- Technical Support  
Systems maintenance and troubleshooting
- Technical Training  
Using documents, videos and presentations to ensure that all technical staff is qualified and skillful

❖ **Nirvana Distributions**     **June 2006 to Feb 2012**

**Senior Systems Engineer**

*I made a proven record of accomplishment of delivered projects. My experience of automatic control significantly evolved from the entry level to the senior level. My written, verbal, presentation and analytical skills was applied effectively.*

- Solutions Development
- Automation Systems Design and Implementation
- Customer Advisor
- Site Engineer

❖ **UniComp**                                     **June 2005 to June 2006**

**Computer Engineer**

- Servicing Engineer
- After Sales Services

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## LANGUAGES

- Arabic:             Mother Tongue.
- English:            Fluent

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## EDUCATION

- 2003 **B.Sc. of Electric Power Engineering, Computer and Control Dept.**, Monufiya University, Sheeben El-Koum

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## TRAINING COURSES

- AMX Expert Certificate, Dubai UAE 2007