

## Personal info.

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**Date of birth:** October 25<sup>th</sup>, 1982

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**Github:** <https://github.com/hamadasoma>

**Slideshare publications:**

<https://www.slideshare.net/MohammedAlismail3>

**Marital status:** Married, father for two kids.

**You can follow my live updates applied to my resume by surfing this zoho writer link** <https://goo.gl/c7m8fp>

**You can track changes to my resume along the time via Github:**

<https://github.com/hamadasoma/MyResumeUpdate>



## Academic info.

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**Technical degree:** B.Sc. in Electronics and Communications Engineering; Faculty of Engineering; University of Alexandria; **year 2005.**

**Graduation project:** Building a Wide Area Network (WAN) to link the sites of University of Alexandria. The project was under supervision of **Prof. Mohammed Rizk** and **Telecom Egypt.**



## Career info.

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**Current job:** Instrumentation and Control Engineer; **Abuqir Fertilizers Company (AFC)**; since August 2006.

➤ **Responsibilities and description:**

1. Taking over all the instrumentation and control issues contributed to the manufacture of ammonium nitrate granules which is highly demanded by agriculture society in Egypt.
2. Planning and supervising the maintenance, efficiency, and performance quality of the field instruments.
3. Planning and supervising the configuration, maintenance, efficiency, and performance quality of DCS, and ESD/interlock hardware and software.
4. Applying any necessary hardware or software modifications in order to enhance the productivity.
5. Edition of documentation tools and sources to full cover the wiring, configuration of instrumentation, devices and controllers. The documentation should



achieve reachability, flexibility of utilization, ease of standardization, and immediate updating.

6. Insuring and securing the stock balance of instruments and devices.
7. Reporting to my direct boss.

➤ **Milestones:**

1. **Year 2007 – 2010:** Attending and participating the revamp project for instrumentation and control systems in the Ammonium Nitrate Production Plant. The Ammonium Nitrate Production Plant consists of three main plants: Ammonia production plant, Nitric Acid production plant, and the Ammonium Nitrate granules production plant. The control system since the establishment of the plant 1989 was pneumatic and depended on single loops system. The revamp project has aimed to construct a modern SCADA system.

**DCS:** Honeywell PKS Experion R310

**ESD:** HIMA ELOP 2

**Field signaling:** Foundation Fieldbus and (4-20 mA) HART

**Project contractor:** ThyssenKrupp UHDE Services

2. **Year 2015:** Attending and participating in the periodical maintenance shutdown of the Ammonium Nitrate production plant.

➤ **Experiences acquired:**

1. Wide and rigid knowledge of weighing systems concepts and related main configurations as the ammonium nitrate granules manufacturing and packaging requires weighing control processes. Brand **Schenck** products are used for weighing control in AFC.

2. Utilizing of radioactive sources based instruments to measuring various parameters. I have widely treated with brand **Endress+Hausers**.

### Career history:

1. Year 2000 – 2005: Trainer at many companies during high school period. Some of these companies are: **Alexandria Petroleum, SUMED, Faragello, and Telecom Egypt.**
2. Year 2005: Working as Junior **Engineer for Egyptian Company for Navigation.**
3. Year 2005 – 2006: Working as Installation Engineer for **H-Logic.**

➤ **Responsibilities and description:**

Installing time attendance systems, CCTV, and smoke detectors for clients and following the performance with them.

4. Year 2006: Working as an IT manager for **Falcon Freight Group.**

➤ **Responsibilities and description:**

1. Managing the IT network of the company.
2. Securing the VPN among company offices in Alexandria, Cairo, and Port-Said.
3. Providing the managers and employees the optimum services and solutions.
5. Year 2006 – now: Instrumentation and Control Engineer; **Abuqir Fertilizers Company (AFC).**
6. Year 2016: Working for REBAT Systems Ltd and participating in the construction of a 500 Kwh on-grid solar photovoltaic station for KCG Textile Company in 10<sup>th</sup> of Ramadan City.

## Technical skills.

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1. Wide knowledge of networking and IT techniques as I had attended **MSCA** and **MSCE** tracks, and **CCNA** and **CCNP** tracks.
2. Familiar with **Linux** systems configurations.
3. Strong knowledge of **Python** programming and scripting abroad both Windows and Linux stations. **Python** with its effective libraries and modules is my favorite programming language for data analysis deployments.
4. Wide experience of web development environments and frameworks (**HTML**, **CSS**, **JavaScript**, **Flask**). Kindly check this example created using **Flask** framework.  
<http://hamadasoma.pythonanywhere.com>
5. Solar systems sizing and installation.

## Languages.

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1. **Arabic:** (العربية) My mother tongue.
2. **English:** Fluent.
3. **Turkish:** (Türkçe) Good.