



# Mostafa Abdelaziz

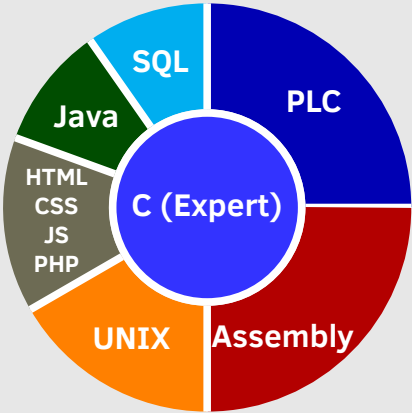
Computer and Systems Engineer

- 30 April 1993
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## About me

Professional engineer with wide technical expertise in automatic control systems, computer networks, computer architecture, embedded systems, and database systems.

## Skills



## OS

- GNU/Linux ★★★★★
- FreeBSD ★★★★★
- Windows ★★★★★

## Languages



## Education

- 2011 - 2016 **B.Sc., Computer and Systems Engineering** Alexandria University  
 GPA: 3.94.  
 Overall Ranking: 1<sup>st</sup>.  
 Graduation Project: FPGA computer based on MIPS architecture.  
 Course Highlights: Control Theory, Modern Control, Embedded Systems, Computer Architecture, Software Engineering, System Software, Operating Systems, Compilers, Switching Theory, Automata Theory, Complexity Theory.
- 2008 - 2011 **High School** Mubarak Secondary School, Alexandria  
 Overall Grade: 407.5/410 (99.36%).  
 Specialization: Mathematics.

## Experience

- Jun - Sep 17 **Control Systems Engineer** Advanced HVAC Consultant, Cairo  
 Role:  
 PLC/DDC programming for advanced HVAC systems. I was the leader of a team responsible for installing and maintaining HVAC and BMS systems for several clients in Cairo.  
 Duties:
  1. Programming Saia Burgess PCD PLCs.
  2. Designing BMS interfaces using Tridium controller.
  3. Designing interfaces for various communication protocols.
  4. Completing the deployment of BMS systems for several clients.
  5. Instructing our teams on implementation of electrical boards.
  6. Troubleshooting and solving technical problems.
- Jul - Dec 16 **Software Engineer** Ejada Systems Ltd., Alexandria  
 Role:  
 Programming software modules for our clients.  
 Duties:
  1. Implementation of CRM systems using Oracle Siebel.
  2. Developing BigData solutions using Hadoop and Scala.
- Jun - Sep 15 **RA Intern** SmartCI Research Center, Alexandria  
 Role: Implementation of the storage system of cognitive radio cloud.

## Selected Projects

- Systema Programming Language.
- Quafios Operating System for x86 and MIPS.
- Radio KAOS: Cognitive Radio with Dynamic Spectrum Sharing Engine.
- CDP: Reliable Data Transfer Protocol for Linux Kernel TCP/IP Stack.
- System for OS image distribution over cloud using Frisbee.
- QCC C/Java Compiler for GNU/Linux.
- Technical Report on UEFI.
- Educational Program with Animated Agent for Disabled Children.

## Awards

- 2017 **IELTS** English Language Certificate, Band Score: 7.5.
- 2017 CSED Golden Armor for the **top student** of 2015-2016 Class.
- 2017 Prof. Naeem Abou Taleb Award for **top student**.
- 2016 **Certificate of Excellence**, Alexandria University.
- 2015 **Certificate of Excellence**, Alexandria University.
- 2014 **Certificate of Excellence**, Alexandria University.
- 2013 **Certificate of Excellence**, Alexandria University.
- 2012 Certificate of Achievement, **ACM Alexandria CPC**.
- 2010 Silver Medal, **Egyptian Olympiad in Informatics**.
- 2009 Silver Medal, **Egyptian Olympiad in Informatics**.
- 2008 Platinum Award, Cyberfair, **Bibliotheca Alexandrina**.