

# MAHFOUZ SALIBA

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## EDUCATION

- 2016 – 2017     **Msc. Telecommunications, Networks and Security**  
**Lebanese University – Saint Joseph University – Lebanon.**  
My post-grad project was the development of a java application simulating the behavior of the BlockChain protocol in the IoT environment, by focusing on the BlockChain parameters and their combination in order to find an appropriate tradeoff between its complexity and security.
- 2009 – 2014     **MSc. in Telecommunication Engineering- Antonine University – Lebanon.**  
My post-grad project was the development of a road surveyor mobile application, based on Arduino and Android. By analyzing the retrieved data from accelerometers, potholes were detected and saved then users were notified to avoid them.

## EXPERIENCE

- June 2015 – Present     **Storiom – Kornet Chehwan – Lebanon**  
Construction supervisor, involved in planning, organizing and controlling projects.  
Responsible for supervising the contractors and staff while keeping intact a safe and professional work environment.
- April 2014 – May 2015     **MultiLane Inc – Houmal – Lebanon**  
Development engineer of Verilog/Vhdl logic for Xilinx FPGA embedded systems.  
Designed and integrated FPGA designs on multiple projects, and verified logic using ModelSim simulation platform. Implemented IP cores, Network interface, Microcontroller interface and Memory interface and communications protocols (I2C, SPI).  
Worked closely in the physical and simulated testing of instruments and interconnect modules (CFP, CFP2, and QSFP).
- Feb 2014 – Apr 2014     **Alcatel-Lucent – Badaro – Lebanon**  
2-months Internship within the technical department in the implementation of the fiber optics deployment project for the ministry of telecommunications.
- Aug 2012 – Sep 2012     **YAHSAT-Abu Dhabi based Satellite Operator- UAE**  
3-months Internship within the technical department, with close exposure to Satellite communications technology. I had a hands-on experience in the maintenance and testing tasks of Ground station RF and transmission equipment.

## SKILLS

- **External courses:** Microsoft Azure cloud computing
- Solid Knowledge of BlockChain technology
- Experience in embedded systems programming and hardware architecture
- Knowledge of concepts of Satellite Communication and RF Transmission
- knowledge of Computer Networks and CISCO networking
- Knowledge of Mobile Networks technologies and concepts (UMTS, EDGE, GSM)
- Fiber optics implementation (splicing and OTDR testing)
- **Applications:** Altera and Xilinx FPGA tools, MicrochipMPLAB, Matlab, Arduino
- **Programming languages and technologies:** Python, Verilog, VHDL, JAVA, C/C++, SQL, C#, JavaScript

## **Languages**

Fluent in Arabic, French, and English.