

Faissal EL OSMAN

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French nationality (looking for an opportunity in Lebanon)

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Software Architect Engineer & NodeJS developer freelancer

TECHNICAL SKILLS

| | | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Programming languages: | C, JavaScript, C++11, Python, BASH, C#, JAVA, VBA. | |
| Software: | NodeJS, git, Postgresql, PostMan, Eclipse, wireshark, gdb | |
| Methodologies: | TDD, Agile scrum | |
| Certifications: | Winner of 'Best customer business value' trophy during Thales hackathon Participate in several hackathons oriented IoT technologies organized by Cisco. | |
| Operating systems: | Linux, Microsoft Windows, OSX, Raspberry Pi | |
| Protocols and technologies: | VoIP: | WebRTC, SIP, WebSocket, RTP, RTCP. |
| | C++ skills: | STL, Design Pattern, Multithreading, UML |
| | Cloud: | Heroku, GitHub, HTTP, JSON, MongoDB |
| | Audio Signal Processing: | Echo cancellation, Audio Codecs(G711,G722) |
| | Video Signal Processing: | Codec (H264) |

PROFESSIONAL EXPERIENCES

July 2018 – Present: Thales: Software Architect of Aeronautical Systems (C, Python)

- Design the software architecture of a light version of an Air Traffic Controller system installed on boats.
- Develop algorithms which optimize the Sky scanning, track formation and interrogation.

December 2017 – Present: Freelancer: NodeJS developer (Javascript, NodeJS, Java)

Work for ALE International on a Project to digitalize the visitors (clients) journey. (40 K€ budget):

- Develop a server using NodeJS that interacts with the Salesforce to get and push data. (email sending, approbation event handling, QR Code reading using web)
- Implement a Chatbot that collects client feedback live during the visit, and transcripts the presentation.

April 2017 – July 2018: NOKIA: 5G R&D engineer

Contribute in the implementation of a test platform (Airphone) that simulates a UE campaign in a 5G context with the respect of existing norm drafts:

- Understand the specification, and define the acceptance criteria, which will afterwards be presented to the software architect.

Sept. 2014 - March 2017: Alcatel-Lucent Enterprise: Real time R&D engineer

Real-time C/C++ software development on Alcatel-Lucent's media server(Alcatel-Lucent's unified communication solution):

- Design and implement algorithms that improve the quality of service (audio & video) and enhance the user experience
- Implement investigation tools used by technical support teams: Decrypting wireshark captures, extracting video streams and decoding audio streams.
- Participate in tasks cutting and prioritization according to the Agile logic.

Aug. 2013 - Feb. 2014: Alcatel-Lucent Enterprise: Innovation R&D engineer

- Design algorithms that select and manage multiple video streams based on vocal activity in order to allow continuous presence for all participants.
- Define with marketing teams the main video feature that clients could be interested in.

June 2012 - Sept. 2012: Middle East Airlines: Technical support engineer

- Collaborate with the IT help desk to guarantee a seamless upkeep of the IP networks (surveillance cameras, access control, enterprise telephony)

EDUCATION

2014 : **Engineering degree from Telecom Paris-Tech and from Lebanese University**

LANGUAGES

English (TOEIC 855/990)

French (Fluent)

Lebanese Arabic (Mother tongue)

HOBBIES:

Travelling. swimming. cinema

