

# Mathieu SOUM

Software architect & developer

180 avenue de la Gloire

31500 TOULOUSE, FRANCE

☎ +33 673 503 387

✉ mathieu@soum.me

📍 Mathsoum

in mathsoum

Driving licence / Personal vehicle

---

## Experiences

- September 2015 – **Software developer / Permanent contract**, Aboard Engineering, Toulouse, France.  
Missions :
  - Continuation of the work on the platform (see previous internship);
  - Engine management functions development (C);
  - Desktop GUI applications to monitor and manage custom hardware through CAN (C++/Qt, Peak Systems);
  - MATLAB scripts processing Simulink models;
  - Python scripts for parsing/building XML documents;
  - IT equipment management;
  - System administration and server management (Linux Debian).
- November 2014 – **Software developer / Internship**, Aboard Engineering, Toulouse, France.  
July 2015 Development of a rapid prototyping platform for engine management functions (Java/Swing).
- May – July 2014 **Grails developer / Internship**, Ticetime, Toulouse, France.  
Contribution to a web based course content editor for teachers and researchers (Groovy/Grails).
- May – June 2013 **Java developer / Internship**, Toulouse's IT research institute (IRIT), Toulouse, France.  
Development of an application communicating with a building simulation software for a multi-agent system managing energy regulation (home automation).
- December 2012 **Project management and software development**, Paul Sabatier University, Toulouse, France.  
Participation to the "Nuit de l'Informatique", 2012 edition.
- July 2012 **C++ development, System administration / Temporary contract**, Memobox/2G Technologies, Toulouse, France.  
Porting of this same client (see previous intership) onto a Unix based system (FreeBSD). Integration of the client onto an embedded telecom acquisition probe.
- April – June 2012 **C++ Developer / Internship**, Memobox/2G Technologies, Toulouse, France.  
Development of a C++ desktop client to acquire multi-protocol and multi-platform telecom data for auditing purposes.

---

## Formations

- 2013 – 2015 IT Master's Degree, specialization in software development  
Student project : Contribution to the open source KAddressBook software from the KDE project (C++/Qt, Git, Agile).  
*Paul Sabatier University, Toulouse, France*
- 2012 – 2013 IT Bachelor's Degree.  
Modules : Software testing and maintenance, Software developement methodology, Logical programing (Prolog)  
*Paul Sabatier University, Toulouse, France*
- 2010 – 2012 IT DUT graduate.  
Modules : Buisness creation, Java GUI design  
Student project : Creation of a UML 2.0 graphical library (Java Swing)  
*IUT 'A' Paul Sabatier, Toulouse, France*
- 2010 High school diploma, specialization in engineering.  
*Paul Mathou High School, Gourdan-Polignan, France*

---

## Voluntary activities

- December 2015/14/13 **Voluntary activity**, Paul Sabatier University, Toulouse, France.  
Member of the organization team of the "Nuit De l'Info" (<https://www.nuitdelinfo.com/>).

---

## Software Skills

Design	Merise, UML2.0	DB	MySQL, SQLite, MongoDB
Languages	C/C++ (Qt, POCC) Java (Swing, JNI)	Redaction	L <sup>A</sup> T <sub>E</sub> X
Script	Bash Python (Tkinter & system)	Web	Flask, Django
Other skills	Caml – Prolog – MATLAB		

---

## Langue skills

French	fluent
English	written, read, spoken
Spanish	notions

---

## Interests

Software	FOSS culture (attendee to workshops and conferences on open source software).
Hobbies	Card games, board games, astronomy (amateur).