Marc**Allaire**

Computer Science and Networks Engineer | Strategic Manager

Education

2009–2014	**Master** in Computer Science and Network Engineering	INSA, Toulouse

Networks and Telecommunication major

Technical Formation with hands-on experience, curiosity, desire to learn, adaptability, hard working

2012–2014	**Master** in Strategic Management	IAE, Toulouse

Major Strategy in innovative industries

Multidisciplinary approach of innovation and strategic management (law, finance, marketing, project management)

Spring 2012	**Bachelor of Science** in Computer Science	University of Arizona, Tucson

Work Experience

2014 – 6 mois	**NICTA, Software Systems**	Brisbane, Australie

Extension of a business process compliance tool, review of the product's strategy

– Work with existing code and development of new features in Java, Scala, Groovy and JavaScript
– Application of strategic models and tools to review the product's marketing strategy

2013 – 4 mois	**Airbus Defence and Space**	Toulouse, France

GUI development for a satellite system simulator

– Application of object oriented design principles and patterns on a business application built from scratch
– Self-learned JavaFX and extensive use of the technology for the UI

2013 – 4 mois	**INSA Toulouse**	Toulouse, France

Development of a traffic emulator to benchmark ESB erformance for Thales

– Development of a Service Oriented Architecture (Web Service, BPEL, XSLT) on GlassFish
– In depth theoretical and practical knowledge of middleware, ESB and distributed business applications

2012 – 4 mois	**INSA Toulouse**	Toulouse, France

Tutored Project, Cloud mock-up and network security probes

– Design and deployment of a cloud mock-up on a cluster of 3 computers (Xen, OpenStack)
– Network security probes deployment (Snort, OSSEC) following different security policies

Main Assets

Programming :

– **Object Oriented** : In-depth knowledge of Object Oriented Design and Programming, Java implementation
– **Functional** : Learned Haskell and functional programming on my free time (Monads, Map Reduce, List processing...)
– **Middleware and SOA** : Development of Service Oriented Architectures (OpenESB, SOAP, XML, WebServices)
– **Imperative -- Procedural** : C language on microchip, VHDL on FPGA, MIPS assembly
– **Version Control** : Extensive use of GIT, SVN and CVS for projects
– **Cloud** : Theoretical knowledge about virtualization, design and deployment of virtual architectures
– **Other** : Security of applications, Relational databases and SQL, Computer hardware architecture

Networks :

– **Local Area** : Architecture, design and protocols of LAN, wired and wireless, IPv4 and IPv6, security
– **Wide Area** : Thorough education on protocols at the Application (routing, DNS, SNMP), Transport (TCP, UDP), Network (IP, ATM, X25, Frame Relay) and physical layer (SONET/SDH, PDH) also proficient with VPN, MPLS, QoS
– **Hardware** : Practical experience on Cisco and Linux routers, familiarity with Linux network tools

Strategy :

– **Theory & Practice** : Qualified on Strategic and management matters, Application of theoretical models
– **Double degree** : Global vision of the innovation process, Strategic vision of my technical engineering work

Personal :

– **Open-mindedness and Determination** : Two main projects abroad (USA – study and Australia – work). Profound comprehension of the Anglo-Saxon culture and the English Language. Like working out of my comfort zone.
– **Patience, excellence, perseverance et team spirit** : skills gained through various activities such as golf (index 12.0), running, field hockey (National Championship 2012) and professional projects
– **Curiosity** : Love to learn and confront myself to new things, Fast learner
– **Team Leader** : I took leadership positions in several school projects (5-12 people teams), Strong interpersonal skills

Contact

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Languages

French mother tongue
English fluent
Spanish

Programming

Java, JavaEE
Haskell,
C, ADA, VHDL
LaTeX, MS Word, Powerpoint
UNIX, Linux, Windows