# MarcAllaire

# 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

#### Java, JavaEE

Spanish

Contact

Unit 229

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Languages

English fluent

French mother tongue

**Programming** 

LinkedIn://marc-allaire

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

#### 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