

# Software Engineer

## *Expert Software Engineer and Architect*

### Education

- 1999/2004 • Computer Science Engineering School **EPITA** (<http://www.epita.fr>). Paris. **First class honours**
- Thrid year university degree. Specialization in Cognitive Sciences and Advanced Algorithms
- 1999 • High school - Scientific Baccalaureate. French equivalent of GCE A Levels with specialization in Mathematics

### Professional Experiences

- At the moment  
September 2007
  - **Société Générale**
  - Architecture and development of several modules of real-time warrant management software.
    - Pricingservice : computation of prices matrices needed for interpolation
    - Fairpricer : price interpolation and price spread for market making
    - IRQuoter : rate curve provider
  - ITEC/CTT/TAN/GefSol Domino team (Mr Thomas / Mr Wilmot / Mr Guillet)
- 2006-2007 - 1.5 years
  - **Orange Research & Development**
  - Phone, cell and internet operator
  - Architecture and development of an automatic diagnosis tool for UMTS networks using decision trees and Bayesian networks
  - RESA/NET/REM laboratory (Mr Touchais)
- 2004-2005 - 2 years
  - **Société Générale**
  - Real time software development
    - Evolutions and support of real time market feed reception library (Reuters and SG internal protocols)
    - Re-design the proprietary order sending library
    - Evolutions and support of the console monitoring market access servers
    - Development and support of a market feed checker
    - Study about automatic generation of Java or C# wrappers from C++
  - ITEC/DAI RTMA team (*Real Time Market Access*) (Mr Thomas / Mr Machard)
- 2002-2003 - 6 months
  - **EPITA** and **INSIA**
  - Teacher assistant for engineering students (C, Script Shell and Java programming)
  - Conception and development of network tools and IT Support of the network
- 2001 - 3 months
  - **Equant**
  - Consulting and sale of network solutions for enterprises
  - Engineering service (Mr Nedelec)

### Knowledges

- Programming languages • C++, C, Shell, UML, Java, C#, Pascal, OCaml, Bison/Flex, L<sup>A</sup>T<sub>E</sub>X
- Tools • Emacs, Visual Studio, CVS, SVN, Rational (Purify, Quantify), Bullseye, Google perftools, Office
- Operating Systems • Linux, Solaris, Windows 2000/XP/7
- Languages • French : mother tongue
- English : read, written and spoken
- Spanish : scholar knowledge

### Others

- Driver License
- Founder et treasurer of Happycoders Association (coder team)
- Horse riding, practice of archery, roller skating, skiing and body boarding