



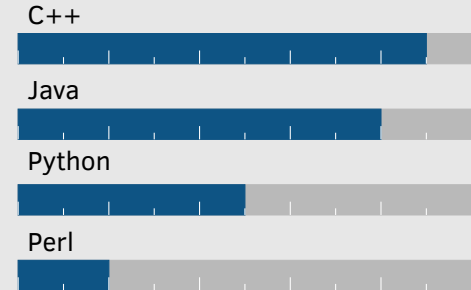
# Stéphane Janel

Principal Software Engineer

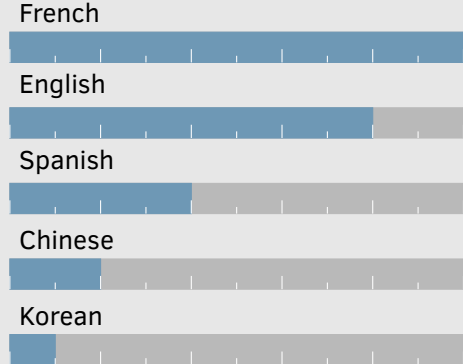
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**About me**  
Aiming to solve challenging programming problems whilst continuously learning about proven practices and methods, with a particular taste for performance optimizations and algorithms.

## Skills & Competencies



## Languages



## Interests

- Tennis
- Video Games
- Travel
- Hiking
- Photography
- Cinema
- Cooking
- Environment

## experience

- 2020-** Principal Software Engineer Amadeus - Nice, France  
Developing generic, high quality C++ modules and services to make application software more robust, efficient and compliant to C++ standards within our application framework. Promoting proven and modern development practices, patterns.  
Participating in the establishment of corporate coding rules.  
Designing and implementing new cutting edge functionalities requiring major changes at many layers of the pricing search engine.
- 2011-2020** Software Engineer Amadeus - Nice, France  
Member of an international team responsible of the world leading Low Fare Search engine of airlines and travel agencies.  
Complex combinatory problem with billions of fares & flights, it should provide recommendations within seconds (more than 1 billion transactions per second).
  - Analysis of business needs, design and development, unit & end to end tests
  - Was Scrum Master in a team specialized in performance optimizations (2 years)
  - Technical & problem dependent optimizations
- 2011** Final Internship Amadeus - Nice, France  
Studied and prototyped optimization for fare engine thanks to dynamic processes.
- 2010** 3 months Internship Orange Labs - Tokyo, Japan  
Developed a prototype identifying usual situations of a user from the information acquired by his mobile phone for context-aware LTE services.

## education

- 2010** Olso University College Oslo, Norway  
Erasmus semester. Study and development of a non visual interface for a portable music player.
- 2008-2011** IMT Atlantique French Engineering School Brest, France  
Majoring in Computer Science (OOP, compilers, system programming, algorithms).  
Main academic projects:
  - Optimization of several H264 video compressions in C
  - Personalized automatic TV channel finder in Java
  - Framework for optimization problems in Python
  - Simplified Java compiler in OCaml
- 2006-2008** CIV Valbonne, France  
Preparatory classes for French Grandes Écoles.  
Specializing in mathematics & physics (MPSI and PSI\*).
- 1999-2006** CIV International Middle & High School Valbonne, France  
Specializing in mathematics, physics and English.  
Graduated Baccalauréat with international option with honors (OIB).

## achievements

- 2019** Co-author of Network Route Selection Amadeus patent filed in Europe and the US
- 2019** Finished 2<sup>nd</sup> of a corporate coding contest provided by Codingame.

## tools & processes

- Linux
- Git
- Docker
- Bitbucket
- Jira
- Valgrind
- gdb
- Scrum
- SAFE