

Nicolas Porcel

Software Engineer at Amadeus

✉ nicolas.porcel.me
Nationality: French

Education

- 2014-2015 **Master of Computing**, *National University of Singapore*, Singapore.
- 2011-2014 **Engineer's degree, Master of Engineering**, *Supélec*, Paris.
One of the top-ranked French *School of Engineering*.
- 2011-2012 **License of Mathematics (3rd year of University)**, *University of Paris XI*, Orsay.
- 2009-2011 **Classe préparatoire aux grandes écoles**, *Masséna High School*, Nice (France).
Two years of preparatory course for the entrance exam to the French *Grandes Ecoles*.

Experience

- Feb 2015 **Software Engineer**, *Amadeus IT Group*, Sophia Antipolis (France).
- Work in Scrum Teams in the revenue management and availability computation department to provide IT solutions for tens of airlines.
 - Develop in C++, Java, Python and Angular.
 - Improve the performance of our high throughput computationally intensive cloud availability application to reduce its latency and hosting cost.
 - Design a scalable architecture to simulate the availability process of the totality of the airline network with a frontend in Angular.
 - Implement a revenue optimization algorithm using dynamic programming and CUDA.
 - Setup the unit test framework of our application.
 - Provide technical details on our architecture enhancements to the client.
- May-Aug 2014 **Software Internship**, *Maxus*, Singapore.
- 2014 Developed several prototypes and applications in order to demonstrate the potential of the R&D branch of Maxus. This includes web, mobile and hardware development and design using latest technologies such as Ruby on Rails, Django and AngularJS.

Computer skills

- Advanced C, C++, Java, Python, Linux/BSD, Bash
- Intermediate CUDA, Javascript, Angular, HTML/CSS, PHP, SQL, Matlab
- Basic Perl, Ruby, C#, Android, \LaTeX

Languages

- French Mother tongue
- English Fluent
- Spanish Intermediate

Interests

- Open source I wrote enhancements and fixes for various open source applications including ansible, the Linux Kernel, GnuPG and sshguard.