



# Clément Pinchedez

*Software engineer*

## Expérience professionnelle

**Since 2014** **Criteo**, *Paris*, **Software engineer**.

- Criteo branding solutions - proposing new advertising solutions for brands
- Creative engineering - providing tools and framework to develop new kind of banners
- Technologies involved: C#, Scala, Java, Angular, Spark, Mesos, Python...

**Software engineer**, *Amadeus*, Sophia Antipolis, France.

**Since 2012** **Airport IT department - Middleware and infrastructure**

- Design of an highly available mediation layer and airport service bus
  - Design, architecture and development
  - Integration of third party data feeds
  - Discussion with airport customers for the design of interfaces
- Development of transversal components (security, logging, messaging, monitoring...)
- Architecture recommendations in relationship with operations teams and our software providers
- Technologies involved: Java, Spring, Apache Camel, ActiveMQ, Oracle, JBoss EAP

**2009-2012** **Automation developments for the E-commerce division**

- Setup of a unified platform and software configuration system for the division
  - Requirements elicitation and analysis
  - System architecture
  - Software development of the 3-tier application using Java EE, Apache Wicket, JBoss As, SQL server
  - Integration and deployment in production
- Migration of the legacy Coldfusion tool used to customize customers websites to a modern Java web application (Site Manager)
- Automation of the IT system supporting the deployment of Amadeus e-commerce products
- Technology forecasting (studies, whitepapers, presentations)
- Management of internships

**2009** **Master thesis**. *Task execution over heterogeneous distributed resources*.

6 months internship at the Sales and E-commerce division. Design and implementation of a high-throughput distributed task execution system.

Grade A, Finalist of the Amadeus Intern Contest (4<sup>th</sup> place)

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**2008 Developer, Swedish Institute of Computer Science, Stockholm, Sweden.**  
Persistent messaging in Java using MySQL Cluster. 4 months assignment. Development of a persistence plugin for Apache ActiveMQ

**Summer Software programmer, Diadeis, Nancy, France.**

**2008** For the publication of the Official Journal of the European Union, design and development of a performant XSL-FO processor in C# for Arbortext Advanced Print Publisher (AAPP). The engine can handle the XSL-FO and the MathML standards.

**Summer Research intern, PRiSM laboratory, Versailles University, France.**

**2007** Two months internship.

Design and implementation in Java of a résumé "search engine" coupled to an XML extraction Swing UI used for future analysis.

This internship was part of a sociological research project (analysis of the W3C standardization processes)

**Winter Assembly line worker, Philips Lighting, Aachen, Germany.**

**2006** 6-week internship.

After several assignments, wrote a report about quality management in the industry.

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## Education

**2007–2009 Master of Science, *Kunliga Tekniska Högskolan*, Stockholm, Sweden.**

field Software Engineering of Distributed Systems

courses Distributed Algorithms, Peer-to-Peer Systems, Multi-Agent Systems, Web Services, Logic Programming, Internet Security, Constraint Programming, Java network programming

**2005–2009 Ingénieur civil des Mines, *Ecole des Mines de Nancy*, France.**

one of the France's leading engineering universities (equivalent Master)

major IT Engineering

minor Entrepreneurship, Physics, Mathematics

other courses Management, Accountability, Art Analysis, Political Science

GPA 3.45/4

**2003–2005 Classes Préparatoires, *Lycée Clemenceau*, Reims, France.**

Preparation for the competitive entrance examination to prestigious French engineering universities

major Mathematics, Physics

minor Computer science

**2003 Scientific Baccalauréat, *Lycée Léon Bourgeois*, Epernay, France.**

National high school leaving diploma at 18 passed with honour

major Mathematics, Physics, Biology and Geology

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## Computer skills

Langages	Mainly Java (Oracle Certified Professional, Java SE 6 programmer) Javascript, Python, C#, Scala, C/C++, Erlang, Prolog, Caml, Python, Perl, Powershell
Front-end	Apache Wicket, GWT, AngularJS, Web service, HTML/CSS
Frameworks	Spring, OSGi, Hibernate, Apache Camel, JBoss Drools
Databases	SQL Server, Oracle, MySQL cluster, some experience of NoSQL (MongoDB)
Theory	P2P algorithms, multi-agent systems, distributed AI, algorithms, constraint programming
Tools	Eclipse IDE, Maven, JUnit, SVN, Clearcase, Ant, UML/OCL
OS	MS Windows, Linux (RHEL, Ubuntu, Suse)
Methodologies	Scrum (certified Scrum Master), TDD
Misc	MS Office suite, L <sup>A</sup> T <sub>E</sub> X, Maple

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## Languages

French	<b>Mother tongue</b>	
English	<b>Fluent</b>	<i>Certificate of Advanced English (University of Cambridge) awarded in 2007</i>
German	<b>Good level</b>	<i>Zentrale Mittelstufenprüfung (Goethe-Institut) awarded in 2006</i>
Swedish & Spanish	<b>Basic knowledge</b>	
Chinese	<b>Some speaking notions</b>	

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## Interests

Hiking, swimming, running  
Art history (student at the "Ecole du Louvre")  
Flute and piccolo, ex-treasurer of the Nancy Student Orchestra (organization of concerts and trips)  
Writing, reading and travel