

# NICOLAS BARTHELEMY

## Application for a Java Software Engineer position

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### EDUCATION

<b>2013-2016</b>	<b>ESIEE Paris</b> , 93162 Noisy-Le-Grand, France <ul style="list-style-type: none"> <li>I did a <i>five-year program</i> leading to a MSc in Engineering, majoring in <b>Computer Science</b></li> </ul>
<b>Feb-Jun 2015</b>	<b>Technical University of Denmark (DTU)</b> - Erasmus exchange semester in Computer Science
<b>2011-2013</b>	<b>Lycée Marcelin Berthelot</b> , 94100 Saint-Maur and <b>Lycée Jean Jaurès</b> , 93100 Montreuil, France <i>Classes préparatoires PCSI/PSI</i> - A 2-year post-A level course in maths, physics and engineer science
<b>2011</b>	<b>Baccalauréat S</b> awarded with merit - Equivalent to English A-Levels in science, Maths and Physics







### EMPLOYMENT

<b>2016 – present</b>	<b>Software Engineer at Sopra Banking Software (SBS)</b>
<i>Sept 2016 – present</i>	<p><b>Java developer</b> in the integration team of Sopra Banking Software for the <b>HeliPay project</b> – <i>La Défense, 92400 and Ivry-sur-Seine, 94200 (Paris region, France)</i></p> <p>The team integrated SBS HeliPay solution for our client <b>La Banque Postale</b>.</p> <p>I was responsible of developing new modules, web services and evolutions in Java and Shell script, using the specifications and helping the development of new ones, analysing and fixing bugs, improving the developments, understanding and respecting some functional aspects, adapting to the existing architecture and creating one when needed, customising content according to the needs of the client, packaging and installing the deliveries.</p> <p><u>Main purposes</u> : Banking mobility (Macron law) and verification of clients banking information through SEPAmail (the secured messaging service between payment service providers)</p> <p><u>Environment</u> : Java, Shell script, SQL, Eclipse, Maven, SVN, Putty, Regex, JIRA, Jboss, SOAP UI</p>
 	
<b>6 months</b>	<p><b>Final internship</b> at the Digilab (innovation pole) of SBS– <i>La Défense, 92400 Paris, France</i></p> <ul style="list-style-type: none"> <li>I upgraded a <b>mobile and web application</b> showing the use of biometrics</li> <li>I created a <b>big data proof of concept</b> on bank accounts supervision and suspected fraud.</li> </ul> <p><b>Android, Java, C# (ASP.NET), Bootstrap, Elasticsearch, Kibana, Oracle SQL, HTML, CSS, JS.</b></p>
	
<b>Sept - Dec 2015</b>	<b>ESIEE Paris - Teaching Assistant</b> for 4 <sup>th</sup> years student – supervised <b>C optimisation</b> lab sessions
<b>Jul 2015</b>	<p><b>Société Générale</b> – Seasonal employment - <i>General Real Estate</i> - La Défense, 92400 Paris, France</p> <ul style="list-style-type: none"> <li><b>translated</b> a guide for rating real estate customers from english to french</li> </ul>
	
<b>2014</b>	<b>Private teacher in Maths and Physics</b> to students

### PROJECTS

<b>2013 - present</b>	<p>Created my personal website showing some of my projects</p> <p>Built a <b>choreography software</b> using Kinect, C++, C# and the 3D engine Ogre (lead with <b>scrum</b>)</p> <p>Built a complete <b>role playing game</b> in <b>Java</b></p> <p>Built an <b>e-commerce website</b> in <b>JavaEE</b></p> <p><b>Distributed computing</b> : Gauss elimination with <b>PVM</b> and Laplace's equation with <b>MPI</b> in <b>C</b></p> <p>Built the <b>simulation of a banking network</b> in <b>C</b> (OS skills)</p> <p><b>Distributed computing</b> : network application communicating with sockets in <b>C</b> (Lamport algorithm)</p> <p>Programmed an <b>image treatment application embedded</b> on a SABRE board in <b>C++</b></p> <p>Created 3D animations and modelled in Maya and Creo Parametric</p> <p>Conducted an <b>innovation marketing study</b> for <b>Renault Zoe</b> presented to the <b>CEO Carlos Ghosn</b></p>
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### LANGUAGE

<b>English</b> 	Fluent and good working knowledge - TOEIC score : 955 (Jan 2016)		
<b>French</b> 	Native language	<b>Spanish</b> 	Beginner level
<b>German</b> 	CEFR level : B1	<b>Chinese, Danish</b>  	Beginner

## COMPUTER SKILLS

<b>Programming</b>	<u>Extensive skills</u> : <b>Java</b> <u>Good skills</u> : C, C++, C#, Bash	<u>Basics</u> : Python, SQL, JavaScript, Assembly, GLSL, VHDL, Web Services
<b>Frameworks</b>	JavaEE, Bootstrap, ASP.NET, Elastic Stack (Big Data)	
<b>OS</b>	Windows, Linux	
<b>Software</b>	Eclipse, Android Studio, SVN, Maven, Visual Studio, Qt, Maya, Creo Parametric, SQL Developer	
<b>Methodology</b>	Scrum, UML, Team work, Algorithmics, Project management	

## PERSONAL AND OTHER INTERESTS

<b>Football</b>	Member of a football club as a <b>player</b> and as a <b>manager</b> . <b>Other sports</b> : Judo, Swimming, used to practice both in club and now more as a hobby. <b>Running</b> .
<b>Dancing</b>	<b>Bachata dance teacher</b> at ESIEE, vice president of the dancing club, Jazz-Rock, Dancehall, Breakdance
<b>Programming</b>	I used to develop small <b>video games engines</b> that you can try on my personal website. I like to learn by myself online and by doing some projects. For instance, I <b>learned web development</b> by <b>creating my personal website</b> , the website of my football club and a friend's website. I also created a kind of <b>software to manage the football club</b> on google sheets. And I am developing an <b>Android game</b> .