

Jérôme FLESCH

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Birthday : 12/19/1985
Nationality : French
Status : Single

Software Engineer

Education

- 2005-2008** Master of software engineering.
Main field : Real time systems, Embedded and Mobile computing
at the Université de Technologie de Belfort-Montbéliard (UTBM), France.
- 2003-2005** Two-year technical degree in telecommunications and networking (DUT GTR).
at the IUT of Colmar, France.
- June 2003** Scientific baccalauréat diploma with specialization in engineering and mathematics (equivalent to the HSLC)
at St-André, Colmar, France.

Professional experience

- Since February 2009** **Software engineer**
C/Unix programming on NETASQ firewalls of series U and F.
Tools used : FreeBSD, GCC, Subversion, Git, Mantis

NETASQ, Lille, France – <http://www.netasq.com/>
- March – August 2008** **End-of-study internship (part of the UTBM curriculum)**
Creation of a tool for graphical interface testing allowing to ensure that translations won't have unexpected side effects. Done as part of the internationalization team.
Tools used : Java, MySQL, Perforce, Google technologies
Google, Mountain View, USA – <http://google.com/corporate>
- June – August 2007** **Mentor during the Google Summer of Code 2007**
Organization : Freenet Project Incorporated (<http://www.freenetproject.org/>)
Project : “Echo “, a plugin for the Freenet node (Java) allowing users to quickly publish blogs and other kinds of sites on Freenet
<http://code.google.com/soc/2007/freenet/appinfo.html?csaid=553CCA38A6C6B60B>
- Sept. 06 – Feb. 2007** **6 months internship (part of the UTBM curriculum)**
Creation of an object base shared in memory and accessible to various services and processes used on the NETASQ firewalls (C Unix programming).
Tools used : FreeBSD, GCC, Subversion

NETASQ, Lille, France – <http://www.netasq.com/>
- June – August 2006** **Student during the Google Summer of Code 2006**
Organization : Freenet Project Incorporated (<http://www.freenetproject.org/>)
Project : “ Thaw ”, a graphical filesharing program written in Java / Swing.
Tools used : J2SE, Swing, Ant, Hsqldb
<http://code.google.com/soc/2006/freenet/appinfo.html?csaid=D167339D2B02BA18>
<http://wiki.freenetproject.org/Thaw>
- April – mid-June 2005** **2.5 months internship at the end of the two-year technical Degree**
Web interface prototyping, using JSP servlets, OJB, Struts and Tomcat, for the Compact Muon Solenoid (CMS) tracker configuration database exploitation. The CMS is an experiment made by IrES which is part of the Large Hadron Collider (LHC) currently made by CERN.
Tools used : Java, J2EE, OJB, Oracle9i, CVS

Subatomic Research Institute (IrES), Strasbourg, France – <http://ireswww.in2p3.fr/>

Computer science skills

Operating systems	GNU/Linux (since 2001) : Experienced. Daily use of Arch Linux, Debian and Ubuntu at home. BSD : FreeBSD Experienced. Daily use at work. Windows : 95, 98, 2000 (Pro / Serveur), XP, 2003 Serveur. Good knowledge.	
Programming	C (Unix) : Experienced (X)HTML / CSS : Skilled Javascript : Basic knowledge	Java (J2SE / Swing) : Experienced Python : Good knowledge
Databases	MySQL : Skilled Oracle9i : Basic knowledge	HSQldb, SQLite : Skilled
Administration	Apache : Skilled	OpenVPN : Basic knowledge
Networks	NETASQ firewalls : Certified administrator (2006) IPv6 : Basic knowledge	IPv4 : Skilled

Languages

French	Native.
English	Read, written and spoken fluently. Scored 780 out of 990 at the TOEIC evaluation (2006).
German	Very basic knowledge.

Non-professional activities

Since Sept. 08	Developer of AlexJ The CGA (Cercle Généalogique d'Alsace) is an association aiming at reading ancient genealogical acts (baptisms, weddings, death certificates, etc), rewriting them on computer, sorting them and reprinting them. AlexJ is a tool designed to help association members rewrite genealogical acts as efficiently as possible. <i>Tools used</i> : Java, Swing, SQLite http://jflesch.kwain.net/prog/alexj
Febr. - June 2007	UTBM – Laboratory work Development of an USB driver for an embedded operating system for the Lego Mindstorms NXT (language C ; processor ARM7). This work was part of NxOS (http://nxt.natulte.net/nxos/trac) and done in collaboration with David Anderson.
August 06 – Febr. 2007	Main developer of Thaw Thaw is a part of the Freenet project. It's a graphical file-sharing program written in Java/Swing. http://wiki.freenetproject.org/Thaw http://www.freenetproject.org/
Febr. 07 – Febr. 2008 & Sept. 05 – Febr. 2006	Network co-administrator of a student computer network At the student lodge "La Riverotte", Belfort (about 200 computers)
April 2005	Prologin 2005 finalist (national programming competition) http://www.prologin.org/?q=archives/2005/finale
April 2003 – April 2004	Secretary of the computer club at the IUT of Colmar