Gilles BESANÇON

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Software Architecture & Design Engineer
Java, Eclipse RCP, C, C++, C#

🇫🇷 FR: Native   🇺🇸 EN: Fluent   🇪🇸 SP: Conversational

TECHNICAL SKILLS

Operating Systems	Windows, GNU/Linux (Debian, Gentoo, Red Hat), Mac OS X
Tools/Source Control Manager	Jira, Mantis, Hudson, Sonar, Git, SVN, CVS, TFS
Methodologies	UML, Extreme Programming (XP), SCRUM, CMMI
Java	Eclipse, OSGi, Eclipse RCP, IDL, JNI, JNA, JProfiler, JUnit, JAXB, ANT
Java UI	AWT/Swing, SWT/JFace, JavaFX, Ilog JViews Chart
Java Modeling	EMF, EEF, EGF, Acceleo, ATL, XText
C/C++/C#	Microsoft Visual Studio, Ilog Views, OpenInventor, NUnit, NCover
IPhone/Android	Objective-C, IPhone SDK, X-Code, Android SDK, ADT

WORK EXPERIENCE

November 2014 to …   Software Engineer   Schlumberger WesternGeco - Gatwick - U.K.

April 2013 to September 2014   Software Engineer Trainee - Visa J-1   Schlumberger WesternGeco - Houston,TX - U.S.A.

In the context of a cultural exchange between France and the U.S.A., I joined an existing team developing a plugin for Petrel.
Specification, Design, Implementation & Recurent Demos to the users of new survey design and modeling features.
Enhance maintainability of code by doing strong refactoring (defining patterns, removing duplicate)
Environment: Windows, UML, Microsoft Visual Studio, C#, C++/CLI, C++, Ocean API, OpenInventor, NUnit, NCover, TFS, SCRUM

August 2006 to March 2013   Software Architecture & Design Engineer Consultant   Apside - Brest - France

-   *October 2011 to March 2013   Electronic Warfare Tools   THALES Airborne Systems - Brest - France*

In the context of a collaborative research project including THALES and 2 Research Labs from Brest (ENSTA and Telecom Bretagne), whose goal is to generate drivers code from data and behaviour model of interfaces.
Architecture, Design & Implementation of a Modelling Tool based on Eclipse Modeling Framework to design data interfaces, generate Documentation, Ada - C - VHDL code and configuration file for data analysis tools (Network, VME Bus).
Environment: Windows, Red Hat, Ada, C, VHDL, HTML, Eclipse RCP, EMF, EEF, EGF, Acceleo, ATL, XText, Hudson

-   *March 2010 to April 2010   Customer service IPhone application framework   Orange Labs - Lannion - France*

Architecture, Design & Implementation of a massively customizable application framework for customer services (interactive avatar, geolocalisation, voice recognition, vocalisation and text based chat)
Environment: Mac OS X, X-Code, Objective-C, C, IPhone SDK, SCRUM

-   *August 2008 to July 2011   Electronic Warfare Mission Debriefing Tool   THALES Airborne Systems - Brest - France*

In the context of a partnership between Apside and THALES, I was in charge for managing a team of 5 to 8 engineers.
Architecture, Design & Implementation of a new Mission Debriefing Tool Framework based on Eclipse RCP Framework to replace existing C++ Mission Debriefing Tool Framework.
Environment: Windows, Red Hat, UML, Eclipse RCP, Ilog JViews Chart, JProfiler, JNI, Ant, SVN, Mantis

-   *January 2008 to August 2008   Satellite mission planning software   THALES Airborne Systems - Brest - France*

Architecture, Design & Implementation of an Eclipse RCP based application from an existing C application.
Environment: Windows, Red Hat, UML, Eclipse RCP, Java, JNI, C, CVS

-   *August 2006 to August 2008   Electronic Warfare Mission Debriefing Tools   THALES Airborne Systems - Brest - France*

Design & Implementation of maintenance and major improvments for multiple electronic warfare mission debriefing tools based on a common framework.
Environment: Windows, Microsoft Visual Studio C++, C/C++, Ilog Views, JNI, CVS

February 2006 to June 2006   Research internship   UBO - Brest - France

Optimization of a Multi-Agent Physical Engine for Biological Phenomenons simulation using GPU shader & PPU (SimBioDyn).
Environment: Windows, UML, Microsoft Visual Studio C++, OpenGL 2.0, LaTeX

August 2004 to January 2005   Industrial internship   Spacebel - Liège - Belgium

Investigation of the opportunity to implement satellite hardware simulation software using System-C library.
Environment: Windows, Debian, UML, C/C++, System-C

EDUCATION

2006	Master of sciences of National Engineering School of Brest	ENIB - Brest - France
2006	Research Master of sciences, technologies, health	ENIB - Brest - France
	- Major in computer science and telecommunications	

References available on request