Gilles BESANÇON

gilles.besancon@gmail.com

+44 7479 930982

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

French: Native   English: Fluent   Spanish: Conversational

TECHNICAL SKILLS

Operating Systems	Windows, GNU/Linux (Debian, Gentoo, Red Hat, Linux Mint), Mac OS X
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, Cuda, NUnit, NCover
C/C++/C# UI	Ilog Views, OpenInventor, Qt, DirectX
Tools/Source Control Manager	Jira, MantisBT, Hudson/Jenkins, Sonar, Git, SVN, CVS, TFS
IPhone/Android	Objective-C, IPhone SDK, X-Code, Android SDK, ADT

WORK EXPERIENCE

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

Environment: Windows, UML, Microsoft Visual Studio, TFS, HTML5, PHP, JavaScript, C++, DirectX, Cuda

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, TFS, C#, C++/CLI, C++, Ocean API, OpenInventor, NUnit, NCover, 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 (Major in computer science and telecommunications)	ENIB - Brest - France

References available on request