

# Senior Software Engineer

## Architecture & Design

### Java, Eclipse RCP, C, C++, C#

 French: Native  English: Fluent  Spanish: Conversational

## TECHNICAL SKILLS

|                        |   |
|------------------------|---|
| Operating Systems      | Windows, GNU/Linux, Mac OS X  |
| Methodologies          | UML, Agile, Kanban, CMMI  |
| Java                   | Eclipse, OSGi, Eclipse RCP, IDL, JNI, JNA, JProfiler, JUnit, JAXB, Gradle, Maven, 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  |
| Web                    | JavaScript, Polymer   |
| Source Control Manager | Git, SVN, CVS, TFVC, OmniWorks  |
| Tools                  | Jira, MantisBT, Hudson/Jenkins, TFS/VSTS, GitLab, Sonar, Google Cloud Platform        |

## WORK EXPERIENCE

**November 2013 to ... Senior Software Engineer**

**Schlumberger WesternGeco - Gatwick - U.K.**

- *May 2016 to ... AI Planning*

*Schlumberger WesternGeco - Gatwick - U.K.*

Implementation in java of a state of the art AI planner for industrial applications.

Use of Visual Studio Team Services for Project Management, Build and Continuous deployment to Google Cloud Platform using Docker.

Environment: Windows, CentOS, VSTS, Git, Java, Gradle, SpringBoot, Polymer, Docker, Google Cloud Platform

- *January 2016 to April 2017 Omega Platform*

*Schlumberger WesternGeco - Gatwick - U.K.*

Lead a team of 2 engineers to manage and maintain the build of the multi-platform Geophysical Data Processing Platform Omega.

Clean and organize the development infrastructure (Virtual Machine, Source Control Manager).

Analyze the development, test, deployment process and implement improvements.

Manage the build and packaging of the annual release of the Omega Platform and daily/weekly patches.

Environment: Windows, CentOS, TFS, Jenkins, GitLab, Gitolite, OmniWorks, Git, UML

**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

- *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 improvements for multiple electronic warfare mission debriefing tools based on a common framework.

Environment: Windows, Microsoft Visual Studio C++, C/C++, Ilog Views, JNI, CVS

## 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