

JAVA DEVELOPER & DESIGNER

Continue in software development and discover new projects. This, in a new scope in Canada in order to stay here.

EXPERIENCES - 4 YEARS

10/2014 Java Developer

- *Personal projects – Montréal (Canada)*

09/2014 Context:

In order to work again in Java project, I followed a training to update my knowledge and be familiar again with J2SE and J2EEE.

Project:

To illustrate my training, I have decided to design and develop a web application in J2EE with Spring/Hibernate/MySQL technologies. This application is a simple 'To Do' list but show that I am able to develop all basic features like GUI, data and errors management, forms, user connection, and database interaction with Hibernate. This application is available on my website www.wallouf.com/doi

Technical environment:

Java EE, Spring, Hibernate, JSTL, JSP, JPA, MySQL, JDBC, Maven, Git, Eclipse, Bootstrap3

08/2012 Web Developer & Designer

- *AIRBUS HELICOPTERS – R&D – Marignane (France)*

08/2014 Context:

In R&D department, a new test platform with a full helicopters was created. This requires a new tool to manage all resources installed, tests done on it and planning. All these requirements must be supported by an internal web application.

2 years Project:

This project contains three parts:

- Optimize and follow planning of equipment, users and test rooms.
- Inventory management of all resources with state and position. This for more than 50000 parts to display in the same interface.
- Manage test case with test data and results.

These three parts must be managed in the web application and for many countries. Any changes must be saved with all information in order to follow modifications.

Personal achievements:

- Requirements gathering with different kind of customers of countries involved with internal tool.
- Define resources required and planning on Microsoft Project
- Check technical solutions available and select framework like CakePHP
- Define and create database with MySQLWorkbench
- Develop with PHP, HTML/CSS, JavaScript, MySQL and use Mercurial to manage each versions
- Set sprint of 3 weeks, present to customers with test environment on Linux. Adjust if necessary and define next release content.
- Delivery to customers each sprint on Unix server with Jenkins. Support with MantisBT and train users.

CONTACT

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Has an open **license to work** until Sept. 2015 in Canada

SKILLS

Methods ★

Kanban, Agile, Scrum

Front-end ★★★

Bootstrap, HTML5, CSS3, Javascript, JQuery, JSP, JSTL

Back-end ★★★

Java SE, Java EE, PHP, Apache http, Apache Tomcat

Framework ★★

CakePHP, Spring, Hibernate, JPA, EJB

Database ★★★

MySQL MySQLWorkbench, JDBC

Tools ★★

Mercurial SVN Git Jenkins JUnit

OS ★★

Windows Linux OSX

LANGUAGES

EN: Fluent (880 TOEIC)

FR: Mother tongue

PERSONALITY

Rigorous
Autonomous
Self-learner and want to learn more

HOBBIES

Personal applications (see my website)
Aeronautic
Technologies (VR, Drone)
Video games, animations
Music, Travel & life art

Technical environment:

2 developers et 1 team leader. Full project cycle.

PHP, CakePHP, HTML5, CSS3, JavaScript, JQuery, Bootstrap, FullCalendarJs, Outlook, Ics planning, DataTablesJS, MySQL, MySQLWorkbench, Apache, UX, UI, Project, Mercurial, Kanban, Agile, Scrum, Windows (Development), Unix (Delivery), MantisBT (Support)

08/2010 JAVA Developer & Designer

- *AIRBUS HELICOPTERS – R&D – Marignane (France)*

08/2012 Context:

In R&D department, into the test team, I was in charge to develop, maintain, update and debug all tools and application from the conception to the support. These applications were used to help testers in their job.

**14
months**

Project #1: Develop a test bench diagnostic tool.

Concept and develop a new tool. It must get information from avionic data bus in real time and save it into a list. This list will be compared to a nominal one and define a diagnostic. This is required to avoid test bench configuration errors and avoid test regression.

Technical environment:

Single developer within customer team. Full project cycle.

Java SE, SwingGUI, Multithreading, Arinc 429, Mil1553, Bus VME, Maven, SVN

**3
months**

Project #2: Debug a GPS tool.

Study and debug a tool used to simulate GPS beacons. This tool is used to simulate positions to test a search and rescue locator system. It uses an internal library to set data on avionic bus and send location, crypt key and text information.

Technical environment:

Single developer within customer team. Support project cycle.

Java SE, Swing, Arinc 429, Mil1553, Bus VME, Avionique, GPS, Systèmes de navigation, SVN, Maven

**7
months**

Project #3: Upgrade an avionic bus data library.

Study, test and develop and upgrade for a library used by other internal projects. This library allow beyond a VME card and avionic bus to get and set data value. These values represent avionic data used by all systems (more than 30000 data) and must be managed in real time. The upgrade consist to allow to spy and format more data in real time than the first version. This was done in preparation for project #1.

Technical environment:

Single developer within customer team. Support project cycle.

Java EE, Spring, Hibernate, JSTL, JSP, JPA, MySQL, JDBC, Maven, SVN, Multithreading

04/2010 Developer - Internship

- *DASSAULT Aviation – Flight tests – Istres (France)*

06/2010 Redefine and redevelop existing solution to improve IHM and portability.
Used to run test scripts to test non-regression on systems.

#VB #Office #Avionics

FORMATION

2013 Engineering degree: Electronic & industrial computing

Ecole Nationale Supérieure des Mines de Saint-Etienne (France - BAC +5)

Software engineering option at ISEN School.

Apprenticeship at Gardanne (France)

2010

2 Years University degree in technology

IUT - Salon de Provence (France - BAC +2)

Electronic & industrial computing topic

Embedded systems option

2008

BAC Scientific

Val de durance High school - Pertuis (France - BAC +0)

Scientific & physics topics