



# Karl Devooght

## Senior Software Engineer

✈ Bascharage

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🐱 <https://github.com/kawan16>

## Work Experience

### Sfeir

Since October 2013

#### Senior IT Consultant

Project Management Business Analysis  
Technical Leader Agile Web Application  
Javascript AngularJS jQuery Node.js  
Grunt/Gulp Bootstrap Java/J2E  
Spring / Spring Boot PostgreSQL  
MongoDB

- Functional / technical analysis and specification writings as well as end-to-end development on a dozen of projects.
- Daily management at the biggest fixed price project: task planning, people management, customer requirements analysis, functional and technical analysis.
- Managed teams of 2 to 4 junior developers on 2 projects while supervised 2 student internship projects.
- Improved the technical architecture of 3 projects, saving up to 50% development time in best case, gaining close to 25% performance speed.
- Used programming languages and technologies such as Javascript, Java/J2EE, Spring 4 / Spring Boot and PostgreSQL.
- Created and organized an internal innovation competition involving 8 projects lead by 25% of Sfeir consultants. The winning project will be used in the daily business.

### Freelance

January 2012 - August 2013

#### Web Developer

Project Management Business Analysis  
E-commerce Javascript jQuery  
Java/J2E GWT PostgreSQL

- Management of my own e-commerce website involving up to 10 non-IT collaborators.
- Management of costing & budgeting and project scheduling
- Functional / technical analysis, designing and development of websites / applications for several companies
- Used programming languages and technologies such as Javascript, HTML5, Java/J2EE, GWT and SQL.

### Centre de Recherche Public Henri Tudor

January 2010 - January 2012

#### R&D Engineer

R&D Project Management  
R&D Project Management Data Mining  
Data Fusion Web Semantics Java / J2E  
Technical communication

- Managed the R&D team Data Mining applied on e-assessment ( 2 collaborators ), responsible of research project planning and people management.
- Design and development on issues related to Data Mining, Data Fusion.
- Design and development on issues related to Web Semantics and Multi-Agent System for complex systems.
- Managed monthly meetings of the business unit team ( +/- 20 collaborators ).
- Published 3 technical / scientific papers as part of international conferences.

### Metrum

April 2009 - December 2009

#### Business Analyst

Requirement Analysis Business Analysis  
Testing UML Web Application  
Technical Support

- Responsible for the gathering and analysis of client requirements.
- Writing functional and technical specifications.
- Responsible of defining and implementing test cases.
- Jointly in charge of the biggest project ( +/- 1000 Ke ).
- Worked in Agile and Waterfall environments depending on the project.
- Interface between client and the technical team.

IT Development

Technical communication

Voice Application

Natural Language Processing

- Designed and developed natural language based applications.
- Improved the home voice framework with several significant features with gain of productivity ( +/- 15% development time saved )
- Published 6 technical / scientific papers.
- Presented innovative topics at 8 national/international conferences.
- Used programming languages and technologies such as Java/J2EE, VoiceXML and JBoss.

## Education

### Certifications

APMG-International  
Prince2 Foundation

2016

APMG-International  
Prince2 Practitioner

2016

### Diplomas

Polytech Nice-Sophia  
Master in Computer Engineering

2001 - 2004

Ecole Doctorale STIC  
Master in Theoretical Computer Science

2004

Trinity College of Dublin  
Erasmus program

2002 - 2003

UST Lille  
DEUG in Math and Computer Science

1999 - 2001

## Skill

### Management Skills

Lifecycle Management

Definition &amp; Analysis

Team Building

Project Budgeting &amp; Cost

Requirements

Project Scheduling

Agile Methodology

### Technical Skills

HTML5 / CSS3

Javascript

Java 7

Oracle

ReactJS

NodeJs

Spring 3/4

PostgreSQL

AngularJS

Jira

Spring Boot

MongoDB

MithrilJS

Git / SVN

Hibernate

Redis

Grunt / Gulp

Sonar

IntelliJ

Microsoft Sql 2008

Sass / less

Jenkins

DBunit / Mockito

Jasmine / Mocha

Karma / Protractor

### R&D Skills

Web Semantics

Data Fusion

Multi-Agent System

Knowledge Management

Data Mining

NLP

Recommender Systems

## Language

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French  
Native

English  
Fluent

Dutch  
Scholar

## Work Achievement Details

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### Sfeir

Legitech - Project Gedoc

**Team Leader / Lead Developer**

Daily team management, functional / technical analysis and end-to-end development of the 1-year Gedoc project which is a web-based electronic document management for legal texts.

AngularJS Grunt Bootstrap Sass Karma NodeJS JEE7  
Spring Boot Gradle PostgreSQL Scrum BDD

Legitech - Project Webfront

**Team Leader / Lead Developer**

Daily team management, analysis and end-to-end development of the 3-month Webfront project which allows to access to legal texts for personal or professional purpose.

AngularJS Grunt Bootstrap Sass Karma NodeJS JEE7  
Spring Boot Gradle PostgreSQL Scrum BDD

Lombard International S.A.

**Lead Front-end Developer**

Front-end architecture, best practices and development of the 3-month web-based project Cash Flow Management which aims at capturing Bank Account Data (SWIFT MT940/950), processing Payment Validation (SWIFT MT101, FAX, POST) and reconciling financial movements.

AngularJS Grunt Bootstrap Karma Protractor BDD NodeJS  
Spring 3 Maven

Manuloc

**Senior Developer**

Analysis, design and development of a 1-month web application aiming at managing findings of non-compliance.

AngularJS Java 7 MongoDB HTML5 Bootstrap Glassfish

Sfeir Intern - Sfeir Innovation Challenge

**Founder and organizer**

Founding and organizing a competition between Sfeir colleagues to propose and realise the most innovative IT project over a period of 8 months. After this period, participants defended their ideas in front of their colleagues, who voted for the best. The winning project will be used in the daily business. More details in <http://innovation-challenge.sfeir.lu/>

Project Management Team Leading Innovation

### Freelance

Kassandra Voyance

**Founder**

Founded an e-commerce of online fortune telling platform, developed the web site and managed the 10 collaborators worked in it. Was in charge of daily business (planning, budgeting and marketing).

Project Management E-commerce Java/J2E GWT Javascript

### Metrum

Oxygis

**Business Analyst**

Legitech - Project Cosy

**Team Leader / Lead Developer**

Daily team management, analysis and end-to-end development of the 3-month project Cosy which allows consolidation of legal texts.

AngularJS Grunt Bootstrap Sass Karma NodeJS JEE7  
Spring Boot Gradle PostgreSQL Scrum BDD

Neopixl

**Lead Front-end Developer**

Front-end architecture and development on behalf of the project Mobile Yellow, the mobile version of the web application yellow.lu.

AngularJS Ionic Cordova Grunt Karma

Victor Bucks Services

**Senior Developer**

Analysis and end-to-end development of the 3-month project Fund, a web-based content management application in the applicative context of mutual fund industry.

Java 7 GWT / GXT Spring 3 Hibernate Oracle 11g Maven  
Scrum

Sfeir Intern - Project Candidate

**Project Supervisor**

Project supervisor of two IT engineer students who developed an internal web-application aiming at helping the Human Resources team.

AngularJS Bootstrap Sass JEE7 Scrum BDD

SNCT

**Business Analyst**

Wrote the response to the call for tenders for the realization of a web application for the technical control of vehicles. The proposal was accepted and the analysis work heavily weighed in the SNCT board decision.

Business Analysis Functional specifications Scheduling Budgeting

Universal Fitness Center

**Web Developer**

Analysis and development of a 6-month web-based dashboard application which allows to visualize business analysis (product sales flow charts, reporting).

Javascript jQuery Spring Java / J2E

Vandivinit

**Business Analyst**

Responsible for the gathering and analysis of client requirements as well as writing the functional and technical specifications on the project Oxygis ( <http://www.oxygis.eu/> ). This project allows geolocated asset management in real-time in varied domains.

Business Analysis Testing

Responsible for the gathering and analysis of client requirements as well as writing the functional and technical specifications on behalf of the company Vandivinit. The project aimed at automating the bus route planning and drivers vehicle assignments while all the specific business constraints had to be considered and satisfied such as driver rest breaks.

Business Analysis Testing