

Civil Engineer in Computer Science

Profile

I am a civil engineer with more than 15 years of professional experience working on IT projects (mostly in Java) as analyst, developer and architect. I have a good grasp of technology and trained for project management at the University of Brussels. I prefer working as an employee rather than a contractor as I really like to understand the domain I am working in and favor long-term commitment on projects where I can participate in design, implementation and maintenance. I lean toward working on meaningful projects which benefit the community (healthcare, social security, public transportation, public services/e-government, scientific research, etc.). I am a big proponent of open source solutions for which I try to contribute back.

Work experiences

Java Team Leader / Architect @ Federal Pension Service (SFPD) [2014-04—today]

Pension Portal Public sector career data centralization and management application
Java Team Leader, Architect
JavaEE 6 (JSF, JPA, JMS, CDI, EJB), FOP, Maven, AngularJS, Git, Gerrit, JBossAS 7, Oracle, WS, Scrum

Experienced Engineer @ AKKA Benelux [2013-11—2014-03]

ETCS P.A. Tools Application supporting the implementation of the ETCS system on the Belgian rail network
Business modeler
JPA (EclipseLink), UML, NetBeans, Subversion, Domain-Driven Design

Senior Java EE Consultant @ Aubay [2007-06—2013-10]

Capelo Application for collecting and validating civil servants' career data
Architect
JPA, EJB 3.0, Struts 1.x, JAX-WS, GWT, Maven, JBoss, Oracle, WebLogic, Subversion

Argo Application for centralizing and managing employee career data
Senior developer (v1.0), Architect (v2.0)
JPA, EJB 3.0, JBoss, WS, Oracle, Spring WebFlow, BPEL, Subversion

Carat Application for managing test configurations performed on electronic boxes embedded on satellites
Analyse, design, data-model refactoring, coaching
Swing, JGoodies, Java Web Start, Ant, JPA, MySQL, ClearCase

Java EE Lead Architect @ Smals [2005-01—2007-05]

Limosa Web application for the declaration of posting of foreign workers on Belgian territory
Global architecture, coaching, security
Hibernate, Spring, Struts 1.x, JMS, Axis, WebLogic, Oracle, Maven, CVS

STTS Web application for the management of social telephone tariff grants for BIPT
Global architecture, coaching
Hibernate, Spring, Struts 1.x, Axis, WebLogic, Oracle, Ant, CVS

Primaweb Web application for the management of social integration income grants and the Fuel Fund (CPAS)
Global architecture, coaching
Hibernate, Spring, Struts 1.x, Axis, WebLogic, Oracle, Ant, CVS

iBoss Web application for the management of labour audit files
Global architecture, coaching
Hibernate, Spring, Struts 1.x, JMS, Axis, WebLogic, Oracle, Maven, CVS

Other Design of project architectures, choice of technologies to be implemented, structure of the project tree, design of prototypes, development of critical parts, supervision and coaching of developers (code reviews, peer-programming, mini-courses, guidelines documents)
Development of generic project models and reusable components
Design of a reference dossier management application serving as a basis for all the above-mentioned projects, emulation of a COBOL mainframe terminal in Swing, standardization of the basic types of social security (VAT numbers, national register numbers, etc.), standardization of the development of internal basic services

Java EE Architect Candidate @ Smals [2004-01—2004-12]

Genesis Centralized dossier management application for social inspection services
Application architecture, used technologies, data-model design, user-interface design, coaching, work assignment
WebLogic, Oracle, JSP, Servlet, EJB, JMS, Hibernate, Struts, Ant, CVS, XML

Functional Analyst @ Smals

[2003-04—2003-12]

Genesis Centralized dossier management application for social inspection services
Business process and requirements analysis, customer interviews
UML, Catalyst

NatReg Web application for consulting the national register
Requirements analysis, user-interface design
UML, Catalyst

Education

Opleidingsinstituut van de Federale Overheid - Institut de Formation de l'Administration fédérale

2017—2018 Dutch writing and speaking (level B1-B2)

Université Libre de Bruxelles (Formation continue)

2011—2012 University certificate in IT project management (great distinction)

Centrum voor Volwassenenonderwijs Meise-Jette

2008—2009 Dutch conversation group

Université Libre de Bruxelles (Faculty of Applied Sciences / Polytechnic School)

1997—2002 Master of Civil Engineering in Computer Science (distinction)

Collège Saint-Pierre de Jette

1991—1997 High school

Skills

expert*** advanced** novice*

Languages French***, Dutch**, English**, German*

Design UML, C4 Model, Patterns, Object-Oriented, Test-Driven, Database Design, Aspect-Oriented, Domain-Driven, Event-Driven

Technologies Java***, Hibernate***, Spring***, Struts***, GWT**, JUnit***, Swing**, Servlet***, EJB***, JPA***, CDI***, JMS**, JSF**, JAX-RS**, JAX-WS**, SQL***, JavaScript**, HTML***, CSS**, Python*, XML***, XSLT**, XSD**

Tools Eclipse***, IntelliJ*, NetBeans*, Ant***, Maven***, Subversion**, CVS**, Git**, JIRA*, Mantis*, Trac*, Jenkins**, Gerrit**, GitLab**

Servers JBoss / WildFly, Tomcat, Apache HTTPd, MySQL, Oracle DB, WebLogic, OpenEJB / TomEE

Interests Project Management (Agile, Scrum, Lean, Kanban, Prince2, PMI), Open Source Software, Rapid Application Development, Clean Design / Hexagonal Architecture, Hypermedia / RESTful APIs