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Curriculum Vitæ

Work Experience

2009/12 – current : Lead architect/development coordination at Sigedis

In order to integrates the Belgian public servants career informations in the social security network a system was needed to transmit, validate and store the data relative to it.

Building on my previous experience within Sigedis I was tasked with designing the architecture of this system. Based on a EJB3 platform running on jboss we developed:

- An XML editor using GWT ease of abstraction to create a complex interface.

- A monitoring interface using a RESTful API with JSON.

- Several APIs exposed through web-services using SOAP, WSSE and MTOM technologies to interface with our partners.

- A parallel job processing engine with extensive error handling.

2006/11 – 2009/11: Senior software engineer at Sigedis/Siemens

I was hired to help develop a nationwide solution for the identification and career data management of Belgian employees, replacing the previous mainframe application with an EJB3 setup running on jboss.

Starting as a developer, my responsibilities evolved to those of a software architect, including high-level process design, source code management and unit-testing advocacy.

The areas where I was most active were:

- The interface, using GWT and Spring webflow.

- The identification process developed as a generic solution and now used by other projects.

- Source code management with development across multiple branches.

- Unit-testing solutions and best practices.

2006/01 – 2006/08: Lead developer at Abdeus

We worked on creating a CMS system to manage videos for Vodafone New-Zealand and Australia 3G content.

The solution went beyond the client expectations and was based on a JBOSS cluster using EJB3 involving a heavy integration within the existing infrastructure.

2005/12: JSP Struts developer

A short 1-month contract in Melbourne, Australia, as a JSP Struts (using Hibernate for the backend) developer for a Verity search engine front-end designed to be integrated in BHPBilliton worldwide intranet.

This very tightly scheduled project was delivered on time and taught me a lot about small teams management and agile practices through the use of SCRUM.

2005/02 – 2005/07: Consultant at capco India

Capco is a global consultancy firm specialized in the financial industry where I was the technical responsible for the Calypso banking system competency pool in Bangalore. In this position I updated and delivered trainings to the technical users of a major global bank and provided internal support in capco.

2004/01 – 2004/08: Software engineer at ONP/RVP

Hired on a fix term contract in Belgium's national pension office in order to setup the first EJB project using JBOSS. This advocacy mission had two main aspects:

- To develop a J2EE CMS integrating with the existing scanning procedures to facilitate the workflow of the received documents.
- To train my co-workers on the EJB and XML technologies.

2002/01 - 2003/12: Junior software engineer at Degroof Bank

The Degroof Bank is an institution specialised in private and corporate banking. My duties were :

- The development of the bank middleware which made extensive use of XML messages with IBM MQSeries. I was tasked with refactoring and developing the core server components needed to route, translate and aggregate information among the different components of the middleware.
- The analysis, design and development of an internal J2EE web-portal. This monitoring application provided escalation, lightweight reporting and manual handling of issues.

Skills

I worked in various environments, most notably Windows and Linux. The tools I am most proficient with are SVN, Vim, Eclipse and bash.

The computing languages I commonly use are JAVA (j2ee), Python, Javascript and SQL. I handle many data formats like XML/XSL, JSON, SOAP and HTML.

Most of my experiences involved some sort of communication standards but the one I am most comfortable with is HTTP.

As for the software I use in my solutions JBoss, Apache and Oracle are the main ones. I also play around with various others like node.js, mongrel2, nginx, web.py, django, ruby on rails and haskell.

In developing software I favor Domain Driven Design, Domain Specific Languages, unit testing, continuous building, scrum methodology and restful architectures.

Education

1998 - 2001: Master's degree in computer sciences (French engineer diploma)

Polytechnic school of Nantes university (EPUN), majors: information system logistic and networks.

1996 - 1998: Diploma in science (major Mathematics and Computer programming)

Obtained after two years at Nantes Science University (France).

Additional information

Missing working periods between mid-2004 and mid-2006 are due to a 2-years around the world trip.

Current hobbies

- Different sports activities. Being able to cycle to work everyday is something that I cherish.
- Web semantic and technology (HTML5 initiative, node.js, RESTful philosophy)
- Following the maker movement, hardware hacking. I try to understand, fix and reuse things. Sometime in their original functions sometimes in unintended ways.

Languages

English bilingual, Dutch beginner.