



Guillaume Diaz

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Java/JEE developer

Personal Wiki
<http://daxiongmao.eu/wiki>



LinkedIn
<https://www.linkedin.com/in/diazg/en>



Education

- 2010** Master 2 of Telecommunications, Networks & Computer Sciences
Telecom Bretagne (engineering school), Brest – France
- 2009** Specialization in distributed systems and network security
Chalmers institute of technology, Gothenburg – Sweden, 6 months
- 2007** Technical degree in Networks and Telecommunications
University of Haute Alsace, Colmar - France
- 2005** Technical degree in Home Automation
- 2002** A level in Sciences and Technologies, specialty: electronic

Functional skills

Collaboration

- Team work, reporting, alerting, knowledge sharing
- Used to work with remote team members
- News sharing (meetups, JUG, news, ...)

Methods

- Scrum* & agile like methodologies
- Continuous delivery

Communication

- Customer relationship management
- Documentation (both functional and technical)
- Used to work with different cultures
- Meeting and workshop leader

Business

- Customer support
- Functional requirements analysis & specifications


Behavior

- Sense of responsibilities, curiosity, listening
- Customer focused
- Serious and dedicated
- Talkative!

 Mother tongue

 Fluent

 Beginner

 Beginner

Technical skills

Software architecture

- Design patterns & common patterns
ex: servlets, JEE, MVC, N-Third, IoC, AOP, etc.
- Asynchronous architectures (JMS, GWT, JS, etc.)
- My mottos: KISS, 2sec max, less is better, testability

Information System

- I.S governance, SOA, middleware (EAI/ESB)
- Web-services (rest / soap), JMS and *MQ systems

Languages & Frameworks

- Java SE, JEE 6 & 7, Spring 2.5+, Hibernate, JPA, JMS, JSON, junit, dbUnit, Spring test, Arquillian, ...
- Android 4.3 (hobby)
- Web: JSP, JSF, GWT, XML, HTML / CSS
hobby projects: HTML5, Javascript, jQuery
- Shell scripts (bash / sh), SQL

Tooling

Maven, Jenkins / Hudson, Sonar, SVN, Gradle, Git, etc.
Tomcat, IBM WAS7, Glassfish 4, WildFly 8

IT

- Linux systems and server administration, VMWare
- Network security (SSH, fail2ban, proxy, SSL, LDAP, ...)
- Monitoring (Zabbix, ELK, etc.)

You want to assess my IT skills?

<http://daxiongmao.eu/wiki> (Linux & IT)

VEHCO AB (Since June 2013)



Software editor
Logistic industry



Role

Java / JEE developer + R&D IT manager

Mission

Java developer

Member of the *server-side* development team.

- Third-Party Application Maintenance
- Add new features inside existing product

IT manager

Management and maintenance of all the R&D environment. These servers and VMs are used by both Sweden, France and Denmark

- Manage gateway (proxy, SSH, VPN, ...), security policies and users
- Migrate services to virtual machines

Technical env

Java / JEE – Java, Spring, Maven, junit, dbUnit, Tomcat, GWT, etc.
JEE7, jax-rs, jQuery, etc.

IT – Linux servers, VMware, VPN, iptables, Zabbix, Apache2, OpenLDAP, ...

Since
2014 / 01



Project

Remote Tachograph Download [RTD] - phase 2

Every truck has a tachograph to record both vehicle and driver data. However the tachograph's content cannot be accessed remotely... This project aims to download the data remotely through VEHCO proprietary hardware.

Phase 2

Bring the feature on another hardware, improve server performances & scalability

Mission

Java lead developer & IT manager

Detailed tasks:

- Performances
 - In charge of the core algorithm review & improvements
 - Co-review and adjustment of threads handling
- Development of the server v2 + smart-card reader application v2
 - Co-design of the new middleware communications
 - Review & improvement of the authentication code
 - Web-services upgrades
- IT
 - Technical study: “how to create a smart-card reader farm?”
 - Design (hardware + software) & setup of the USB farm
 - Choice & setup of the monitoring tools

Technical env

Java / JEE – Java SE, Spring, Maven, junit, Mockito, Tomcat, RabbitMQ, ...

IT – Linux servers, DHCP, TFTP, DNS, iptables, PXE NetBoot, Zabbix, ELK, Apache2, ...

Continuous Integration – Jenkins, Sonar, auto-deploy

2014 / 09
2013 / 06

VEHCO FRANCE (June 2012 – June 2013)



Software editor – Logistic industry
Brest, France



2013 / 06
2012 / 09

Project Remote Tachograph Download [RTD] - phase 1

Phase 1 Design and implement the feature for the French product.

Mission Java / JEE developer & IT manager

Detailed tasks:

- Write technical specifications and end-user guides
- Co-design of the server architecture & technology choices
- Development (server side)
 - On-board vehicle computer <> server communication protocol
 - Implementation of the ISO 14230 download protocol
 - Vehicle emulator and setup of the *integration tests*
 - Smart-card reader application (*javax.smartcardio*)
- IT
 - Setup and maintenance of pre-prod. and production environments

Technical env Java / JEE – Java SE, JEE6, Spring, Maven, Hibernate, JPA2, junit, dbUnit, JavaFX2, ...
Continuous Integration – Jenkins, Sonar



2012 / 09
2012 / 06

Project Update tools
In-house tool to improve roll-out of new releases and distributed installations.

Mission Business analyst
Java / JEE developer


Project details:

- Write both functional and technical specifications
- Develop solution
- Roll-out product and conduct in-house testing

Technical env Java / JEE – Java 7, Spring 3.5, Maven
Continuous Integration – Jenkins, Sonar



CAPGEMINI (September 2010 – June 2012)

 Consulting company – Computer software industry
Lyon, France



Hydro-Québec

Capgemini in-house project
Energy

2012 / 06

2012 / 01

Project

Build new website portal for consumer restricted area.

HYDRO-QUÉBEC asked CAPGEMINI to re-design the consumer part of their website. This mission is only the first part of a bigger project.

- The full program will run over 3 years
- The French team acts as an out-sourcing team (from Canada point of view)
- This project only focuses on the front-end, persistence is handled by SAP

Mission

Java / JEE developer

- Development upon Liferay and portlets creation
- Scrum methodology
- I acted as local technical referee in France

Technical env

Java / JEE – Java, Spring, Spring MVC, Maven, Liferay, junit ...
IBM WAS7 – WebSphere Application Server 7



VOLVO IT

Capgemini consultant
Truck industry (Renault Trucks)

2012 / 01

2011 / 06

Project

VOLVO AXLES – X70 TipCore

Financial interface between ORACLE ERP and SAP Master Finance.

Mission

Business analyst

Software architect and Java / JEE developer

RENAULT TRUCKS buy out a new factory from ARVIN MERITOR. The VOLVO AXLES program aims to synchronize the different Information Systems.

The X70 Tipcore project's aims are:

- Map the financial data of the plant to the company's financial system
- Transform Oracle ERP data into SAP format
- Provide a graphical interface to supervise the whole process

Job in details:

- Business analyst: run workshops, write functional specifications, mock-up
- Technical study: write technical specifications, software design
- Realization and roll-out

Technical env

Java / JEE – Java, Spring, Hibernate, JPA, Maven, junit, JMS, JSF ...
IBM WAS & MQ – WebSphere Application Server 7 & WebSphere MQ 7



2011 / 04

2010 / 12

FRENCH MINISTRY OF EDUCATION

*Capgemini in-house project
Public administration*

Project SIRHEN – Education Ministry's Human Resources Information System
B2-07: development of the part-time module

Mission Java / JEE developer

This mission is a part of the global Human Resources Information System overhaul. The full program runs over 6 years. The B2-07 project is part of the 5th step (beginning of the 3rd year).

The aim of this project is to develop the part-time module. It goes through the development, tests and roll-out of the application.

- Java/JEE development
- Code review and optimization
- Realization of tests booklets and data sets

Technical env Java / JEE – Java, Spring, Hibernate, JPA, Maven, junit, AspectJ, CXF...
SOA architecture



VOLVO IT

*Capgemini consultant
Truck industry (Renault Trucks)*

2010 / 11

2010 / 10

Project Software migration Java 5 → Java 6 ; WAS 6 → WAS 7 ; IE6 → IE7

Mission Java / JEE developer

Renault Trucks infrastructure has evolved.

I took part of the software migration team to adapt existing application to the new applications servers.

Mission tasks:

- Code migration (java version, projects libraries, WAS server)
- JSP and JSF code update to enable IE7 in native mode
- Code optimization
- International context (working with India and Poland)

Technical env Java / JEE – Volvo JVS2 framework
IBM WAS 7 administration - WebSphere Application Server 7

ABBSIL (September 2007 – August 2010)



Software editor – Computer software industry
Brest, France



Part-time job
3 years



ABBSIL

Computer software industry

2010 / 08

2009 / 09

Project SOA and middleware market study and solutions development

Mission Market analysis, solutions comparison
Java / JEE developer

This project aims to define and measure the market reality attached to the SOA concepts and middlewares (EAI / ESB) products. According to the results, some solutions were proposed to introduce the company on this market.

- Production of a white book about SOA, middlewares (EAI/ESB) and governance
- Identification of SOA market segments
- Comparison of middlewares products and solutions
- Development of a model to test some middlewares in Java/JEE

Technical env Information System – SOA architecture, middlewares [EAI / ESB]
Java / JEE development – Spring, Wicket, Hibernate, JPA, Spring, AOP, Maven



ABBSIL

Computer software industry

2009 / 08

2008 / 09

Project User / password management application

Mission Java / JEE developer

Federate all the applications credentials according to the company policy.

- Study request needs, UML design
- Java / JEE developer

Technical env Java / JEE development – Spring, Struts 2, Hibernate, JPA, Spring, AOP, Maven



ABBSIL

Computer software industry

2009 / 08

2008 / 09

Project New company website & in-house Intranet collaborative tools

Mission Web developer

Design and development of the new company website.
In-house deployment of collaborative tools.

- Functional and technical studies, user requirement specifications
- Comparison and choice of open-source solutions
- Development and deployment

Technical env Web developer – HTML, CSS, PHP, Linux

PROFESSIONAL QUALIFICATIONS

FRANCE TELECOM (ORANGE) (September 2005 – August 2007)

Telecommunications operator
Lyon, France



Part time job
2 years



FRANCE TELECOM

Telecommunications operator

2007 / 08
2005 / 09

Mission Local loop technician – network management

I was part of the team in charge to adapt or improve the existing local-loop network, according to customers' requests. Our mission was to find free slots, or extended the network if no slots were available, then build the requested line(s).

ALARME VOL FEU (September 2003 – August 2005)

Security systems – burglar and fire protection | Home automation
Lyon, France



Part time job
2 years



ALARME VOL FEU

Security systems – burglar & fire protection | Home automation

2005 / 08
2003 / 09

Mission Safety and fire detection systems technician

Ensure the safety of goods and people in small environments

- Study and analyze from construction plans or on building sites
- Installation (alarm, access control, video monitoring)
- On-site and remote maintenance

More details on <https://www.linkedin.com/in/diazg/en>