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29

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French nationality

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JavaEE & MDSB Architect

Technical Director or Lead Architect position

Education

Formal education

- 2001-2004** **EISTI** (Ecole Internationale des Sciences du Traitement de l'Information, <http://www.eisti.fr>, Paris)
Master's Degree in Computer Science from EISTI university-level college with competitive entrance examinations
- 1999-2001** **Janson de Saily School** (Paris) :
Preparation in mathematics and physics for entrance to French engineering schools
- 1999** **Francs-Bourgeois School** (Paris) :
BAC S spécialité Mathématiques

Certifications

- 09/2006** **JBoss & Red Hat** (<http://www.jboss.com/services/certification/cjd>) :
◦ Certified JBoss Developer.
◦ Certified JEMS Middleware Expert (with **Hibernate** and **jBPM** tracks).

Experience

Professional

- Feb 2010**
15d over 2 mths
AEFE (<http://www.aefe.diplomatie.fr/> - Paris, France) :
Context : The AEFE suspects performance and stability issues with its Business Intelligence platform built on JasperServer BI and wants to undergo load tests so as to identify what's wrong and undergo corrective actions
Responsibilities : ◦ Load tests on AEFE's JasperServer instance
◦ Studied JasperServer's architecture in perspective of observed performance and scalability concerns
◦ Formulated concerns found and lead discussions with JasperSoft teams in order to identify possible solutions
Technical environment : JasperServer BI, JasperReports, JMeter, PostgreSQL, Spring, Tomcat, Ubuntu, Linux
Functional environment : Government
- March 2010**
5d
AXA (<http://www.axa.com> - Paris, France) :
Context : AXA is not satisfied with the performance of its .NET Replicating Portfolio application and wants to lead corrective actions in order to achieve a better quality of service
Responsibilities : ◦ Performance audit of the .NET application using Yourkit.NET
◦ Leading an experienced .NET developer into the implementation of corrective code corrections
Technical environment : .NET 2, Yourkit .NET, Spring.NET, SQL Server
Functional environment : Bank
- Dec 2009**
2d
SPS (Euronext) (<http://www.eurosportbet.co.uk/> - Paris, France) :
Context : SPS wants to validate that they correctly use Hibernate as far as performance is concerned

Experience (suite)

Title : Hibernate expert

Responsibilities : ◦ Writing a Hibernate best practices guide

◦ Training teams already used to average Hibernate usage to advanced Hibernate practices learnt from years of using Hibernate in multiple scenarios

◦ Checking the proper usage of Hibernate in SPS application code

◦ Checking and correction of reverse engineering templates used by SPS to generate the Hibernate domain from its database schema

Technical environment : Hibernate, PostgreSQL

Functional environment : Betting

Jan 2010

6d over 2 mths

Calyon (CA-CIB) (<http://www.ca-cib.fr/> - Guyancourt, France) :

Context : Calyon's ad-hoc financial reporting application built on JasperReports Open Source library suffers from unsatisfying performances. Calyon wants to know the reasons and optimize the reporting application to achieve a satisfying quality of service

Title : Java performance expert

Responsibilities : ◦ Performance audit of the platform, identifying performance bottlenecks, advocating the corrective actions to undergo and implementing them

◦ Optimizations cover algorithmic, memory consumption and performance on both application code and JasperReports internal code

◦ Pursued an optimization strategy built on observation of performance bottlenecks on multiple key volumetries and defined optimization priorities based on extrapolated performance indicators

◦ Built an optimization methodology bringing the possibility of optimization steering

◦ A notable achievement has been to lower the generation time of the reference report by 5 times, way below expectations of the customer.

Technical environment : JasperReports, Yourkit

Functional environment : Bank

Dec 2009

10d over 2 mths

SPS (Euronext) (<http://www.eurosportbet.co.uk/> - Paris, France) :

Context : SPS observes shifts in development processes of its future online betting platform and wants to find and implement an effective solution.

Title : Auditor and architect

Responsibilities : ◦ Audit of SPS' IT assets covering methodology, technology and organization

◦ Technical audit of the platform covering : Technical architecture, tooling and development environment, third party components used on the project

◦ Methodological audit covering : Verifying the proper implementation of agile Scrum methodology ; development methodology ; Communication ; Delivery processes ; QA ; Design methodology ; Processes automation

◦ Organizational audit covering : teams ; chain of command ; decision making processes ; team skills

Technical environment : Scrum, Java, .NET, Maven, QA, Methodology

Functional environment : Betting

Dec 2009

7d over 2 mths

CEA (<http://www.cea.fr/> - Saclay and Sophia Antipolis, France) :

Context : Study the adequacy of the Eclipse platform and more specifically the Eclipse Modeling ecosystem of tools for the future CLIMB platform, a collaborative 3D building management platform hosting regulatory and scientific computations.

Title : Architect, Eclipse Model-Driven technologies expert

Responsibilities : ◦ Studied and presented the strengthes of the Eclipse Modeling ecosystem in perspective of CLIMB's requirements covering most notably collaborative editing of models, partitioning of models too big to fit in memory, scientific computation over models, synchronizing with legacy 3D QT based viewing assets, ...

◦ Studied the possibility of storing IFC (Industry Foundation Classes, an industry standard used to represent 3D models of buildings) models in EMF with a focus on metamodel expressiveness, performance, progressive loading et mapping to serializable textual representations.

◦ Interviewing parties involved in the project (from CSTB and CEA) to gather technical requirements and advocate the ability of EMF based technologies to cover CLIMB's needs.

Technical environment : Eclipse, EMF, CDO, Xtext, Obeo Designer, QT, C++, OpenGL

Functional environment : Building industry

July 2009

HUG (<http://www.hug-ge.ch/> - Geneva, Switzerland) :

Experience (suite)

5d/mth for 2 mths

Context : Study and implementation of a Smart Card Private Key Infrastructure for the Geneva Hospitals.

Title : Architect, Java/JavaEE Expert

Responsibilities : ◦ Java SSO architecture, integration of the SSO solution with the IS and Smartcard APIs.

Technical environment : LDAP, X509, PKI, OpenCard, JOSSO, JBoss SSO, PCSC, OCSP, JavaEE, JBoss AS 4, XML-RPC, Spring

Functional environment : Smartcard PKI

August 2009

1d/week for 3 mths

Dexia (<http://dexia.com/> - Paris, Défense) :

Context : Integrating the V-Tiger CRM for Dexia's PWB DCL subsidiary in order to achieve better knowledge management of customer relationship, drive the business and help with the evolution of the commercial organisation

Title : Project Director

Responsibilities : ◦ Steering committees, deliverables checking and making sure that the product is delivered in time and according to the requirements.

Technical environment : V-Tiger, PHP

Functional environment : Bank, credit, CRM

June 2009

20d on 3 mths

ProxiAD Group (<http://proxiad.com/> - Paris) :

Context : Creating a model customization textual DSL meant to enable the creation of a MDSO toolchain supporting both incremental forward engineering and reverse SQL DDL engineering. Open sourcing the project.

Title : MDSO Architect and project leader supervising an intern

Responsibilities : ◦ Original idea and initial prototype

◦ Supervised the industrialization of the project (steering documents, cost evaluation, project management, user acceptance tests, ...)

◦ Open Sourced the project on Google Code : <http://code.google.com/p/emf-customizer/>

◦ Made buzz on the project and presented the project at the [Eclipse Summit Europe 2009](#)

Technical environment : EMF, Xtext, MDSO, M2M, DSL, Eclipse PDT

Functional environment : MDSO toolchain

June 2009

2 weeks

Dexia (<http://dexia.com/> - Paris, Défense) :

Context : Study technical and functional appropriateness of the Open Source V-Tiger CRM for Dexia's PWB DCL subsidiary in order to achieve better knowledge management of customer relationship, drive the business and help with the evolution of the commercial team. As a side note, as this is a first experience for Dexia with Open Source licensed products, Dexia wants the study to cover licensing, community and Open Source specific matters.

Title : Project Leader, Open Source expert

Responsibilities : ◦ Project Management including budgeting, team management (a PHP developer and a V-Tiger expert). Leading the study, leveraging team's skills for prototype realization and writing the overall study synthesis document. Specifically led the Open Source maturity model study of V-Tiger and advocated for Open Source to Dexia.

Technical environment : V-Tiger, PHP, Licences Open Source, Open Source Maturity Model

March 2009

2 days

Masternaut (<http://www.masternaut.fr> - Rouen) :

Context : Helping with the deployment into production of an AJAX geolocalisation application

Title : JBoss/EJB3/Hibernate Expert

Responsibilities : ◦ Validating the proper implementation of recommendations advised in May 2008.

◦ Performance analysis of the platform : Contention search, JBoss & AJP tuning, memory consumption analysis

◦ Robustness analysis of the platform : Leak search, code audit

◦ Formulated recommendations and wrote best practices based on problems identified on site

Technical environment : GWT, JavaEE, Redhat Linux, JPA/Hibernate, JBoss AS 4, EJB3, Corba, XML-RPC, JMS, TCP

Functional environment : Real time web based geolocalisation

March 2009

Domiserve (<http://www.edomiserve.com> - Paris) :

Experience (suite)

2 mths 1d/week

Context : Expecting a huge load increase because of the CESU measure announced by the french president Nicolas Sarkozy during the Social summit on February 18, 2009.

Title : JavaEE Architect

Responsibilities : ◦ Performance audit of the pre-production infrastructure of the CESU management application

◦ Resizing the platform

◦ Identifying and formulating recommendations

◦ Supervising and coaching the implementation of optimisations of the application code and other middlewares such as Hibernate & JBoss

◦ Architected the refactoring of some key critical batch process to Spring Batch and supervised the implementation.

Technical environment : JavaEE, JBoss, Hibernate, JPA, Spring Batch, Spring

Functional environment : French CESU

February 2009

running ...

ProxiAD Group (<http://proxiad.com> - Opéra, Paris) :

Context : Paris subsidiary

Title : Technical Leader of ProxiAD IDF

Responsibilities : ◦ Organizing transverse technical activities

◦ Response to RFPs, pre-sales, validation of technical responses, estimations

◦ Organizing technical events in the Paris area

◦ Organizing the training of colleagues

◦ Animating the community of ProxiAD engineers

◦ Technical workshops, internal and external technical communication, evangelizing

◦ Ensuring the quality of the technical response

◦ Identifying and implementation of the group's technical strategy

◦ Contributing to the development of technological image of the group

◦ Representing ProxiAD during external technological events

◦ Organising the technology and methodological watch

◦ Publishing content (magazines, events, ...)

◦ ProxiAD website : Blog, articles, whitepapers

◦ Relationship to the open source community

February 2009

20d initially

2d/mth running ...

ProxiAD Group (<http://proxiad.com/> - Paris & Lille) :

Context : Creation of ProxiAD's blog gathering experts from the group aiming at enhancing the visibility and the branding of the group

Title : Project lead, editor in chief & blogger

Responsibilities : ◦ Original idea, steering note, conception, defining the editorial, leading the development of the website, seeking and gathering authors.

Technical environment : PHP

Functional environment : Blog, branding, "marketing"

Dec 08 to Jan 09

2d/week

Auchan (<http://www.groupe-auchan.com/> - Lille) :

Context : Creating an integrated MDS/MDA industrialization environment for Auchan targeting a JavaEE/Spring/JPA/JSF architecture

Title : Architect & MDS/MDA/UML expert

Responsibilities : ◦ MDS toolchain conception.

◦ Coaching the development team (2 senior developers)

Technical environment : EMF, Acceleo, Obeo Transfo, M2M, M2T, T2M, MDS, DSL, UML, Spring, JSF, JPA.

June 2008

2 weeks

AXA (<http://www.axa.com/> - Paris) :

Context : Revamping AXA's risk portfolio management application

Title : Architect

Responsibilities : ◦ Creation of the .NET 2 architecture based on Spring.NET and ASP.NET

◦ Training development teams

Technical environment : .NET2, Spring.NET, Visual Studio

Functional environment : Risk portfolio management

Experience (suite)

May 2008

2 weeks

Masternaut (<http://www.masternaut.fr> - Rouen) :

Context : Masternaut is a company specialized in geolocalization which would like to enhance the performance of its realtime web GPRS data visualization software based on GWT before it goes to production

Title : JBoss/EJB3/Hibernate Expert

Responsibilities : ◦ Performance auditing of the applicative layers of the frontend and correlated sub systems.

Technical environment : GWT, JavaEE, Redhat Linux, JPA/Hibernate, JBoss AS 4, EJB3, Corba, XML-RPC, JMS, TCP

Functional environment : Real time web based geolocalisation software

January 2008

5d/mth for a year

Groupe ProxiAD (<http://proxiad.com> - Opéra, Paris) :

Context : Revamping ProxiAD's JavaEE, MDA and industrialization production environment

Title : JavaEE & MDA Architect and expert

Responsibilities : ◦ Definitions of goals, outcomes and challenges, conception, studying of major market MDSO solutions, architecture, MDSO leader, JavaEE/Hibernate/JPA, expert and coaching of development teams

Technical environment : EMF, Acceleo, Obeo Transfo, M2M, M2T, T2M, MDSO, DSL, UML, Spring, JSF, JPA.

January 2008

1 week

Domiserve (<http://www.edomiserve.com> - La défense, Paris) :

Context : Domiserve is a company offering personal services. The technical direction wants to put in place a solution allowing them to gain control over production batch processing whose hosting is externalized.

Title : Architect

Responsibilities : ◦ Study and recommendation of market batch processing orchestration solutions

◦ Study of Open Source and commercial market products : Flux Job Scheduler, Shark, Talend, ...

◦ Study of the alignment of functional and technical requirements with each of the studied solutions

Technical environment : Web Services, JavaEE, SOA, BPEL, Scheduling, Flux Job Scheduler, Spring

August 2007

8 months

Vecteur-Plus (<http://www.vecteurplus.com> - Nantes) :

Context : Revamping Vecteur-Plus's call for proposal dematerialization platform in order to optimize productivity, performance, modularity and functionalities. Also revamping the functional requirements.

Title : JavaEE & MDA Architect

Responsibilities : ◦ Design of a JavaEE based SOA architecture in the "Enterprise Data Integration" style

◦ Co-designed a project methodology and modeling approach inspired by Praxeme in order to cope with the SOA nature of the architecture

◦ Coaching the team both at the technical and methodological levels

◦ This challenging architecture required fixing a few Open Source libraries such as Mule and GraniteDS. Those fixes were contributed back to the community as patches.

◦ Developed technically challenging key components of the architecture required to integrate the building blocks

Technical environment : JavaEE 1.5, JBoss AS 4.2, Spring, SQL Server 2005, Mule ESB 1.4.x, JMS, JBossMQ, jBPM, JAXB2, XML Schema, Flex 2, GraniteDS, JPA/Hibernate, XML/XSL, Clustering, Subversion, AndroMDA 3.2, Trac, Continuum, Quartz, Windows Server 2003

Architectural environment : SOA, ESB, MOM, BPM, RIA, MDA.

Functional environment : Dematerialization

March 2007

running ...

ProxiAD (<http://proxiad.com> - Opéra, Paris) :

Context : ProxiAD wants to develop transverse efforts such as ProxiAD's Production System, internal technical evangelization, external communication and technological watch

Title : JavaEE & MDA Architect, consultant and expert

Responsibilities : ◦ Transverse efforts for the group (Watch, technical assets) and project team coaching : 20%

◦ Organizing technical workshops for company's engineers, internal technical communication and evangelism : 5%

◦ Consulting for ProxiAD's customers (Optimization, architectural maintenance and expertise) : 75%

Experience (suite)

Jan 2008

◦ Lead for the revamping of ProxiAD's JavaEE and MDSD Production System based on : EMF, oAW, M2M, M2T, T2M, MDSD, DSL, UML.

July 2006

8 months

B-Process (<http://www.b-process.com> - Paris) :

Context : Redesign of B-Process' billing dematerialization marketplace architecture and maintenance of the application currently in production

Title : JavaEE Architect, technical project leader with an offshore team

Responsibilities : ◦ Analysis of current assets and study of future technical and functional requirements

◦ Analysing impact of architectural changes (migration of DDL and XML schemas)

◦ Design and implementation of a JavaEE 3-Tiers architecture

◦ Design and implementation of an ad-hoc Enterprise Data Integration like architecture

◦ Design of the development methodology

◦ Design of the migration plan from a database and XML Schema driven architecture towards a UML driven architecture

◦ Watching emerging technologies significant for an ASP company such as B-Process : OSGi, Spring-OSGi, Equinox

Technical environment : JavaEE 1.5, JBoss AS 3&4, Oracle 9i, JMS, JBossMQ, jBPM, JAXB2, Seam/JSF/Facelets, JPA/Hibernate, XML/XSL, Clustering, Subversion, AndroMDA 3.2, Jasper Reports, Trac

Architectural environment : MOM, Pipes and Filters, Streaming push (XML et typed), BPM.

Functional environment : Dematerialization

May 2006

2 months

Domiserve (<http://www.edomiserve.com> - Paris) :

Context : Extranet for personal service employment contractors and employees

Title : JavaEE Architect

Responsibilities :

◦ Design of the architecture (JavaEE 3-Tiers)

◦ Design of the platform and development methodology

◦ Design and development of technically and functionally challenging components

Technical environment : AndroMDA 3.2, UML, JPA/Hibernate, JavaEE, JBoss AS 4.0.4, Struts 1.2, Spring, Oracle 10g, Maven 2, CVS, XML, JUnit, Eclipse 3.1, Axis XML-RPC

March 2006

2 months

Moniteur Group (<http://www.groupemoniteur.fr> - Paris) :

Context : Audit of Moniteur Group's IT services

Title : Consultant, JavaEE expert

Responsibilities : ◦ Auditing the IT services at both technical, methodological and infrastructure levels

Technical environment : Very diversified : JavaEE, .NET, VB, Linux, Windows, PHP, ...

Functional environment : Publishing

Feb 2006

1 months

B-Process (<http://www.b-process.com> - Paris) :

Context : Audit of B-Process' IT services after being bought by Achat Pro

Title : Consultant, JavaEE Expert

Responsibilities : ◦ Audit of B-Process' technical and human assets

◦ Proposed strategic technological advice

◦ Built modernization scenarios ranging from low investment to full revamping with impact study for each

Technical environment : JavaEE, JBoss AS 3, EJB2, Ant, Oracle 8i, XML/XSL

Functional environment : Dematerialization

Nov 2005

3 months

Euronext (<http://www.euronext.com>) :

Context : Financial notices emitting intranet

Title : JavaEE Architect

Responsibilities :

◦ Design and implementation of the architecture (3-Tiers)

◦ Design of development methodology and integration of supporting tooling

◦ Coaching development teams (4 developers)

◦ Performance optimization

Experience (suite)

- Responsible for the quality of developments

Technical environment : JavaEE, BEA Weblogic 8, Struts 1.2, Spring, Hibernate 3, Oracle 8i, Maven, CVS, JUnit, Eclipse 3.0

Functional environment : Finance

August 2005

6 months

Boursorama (<http://www.boursorama.com> - Boulogne, Paris) :

Context : Creation of Boursorama's CRM

Title : Trainer, JavaEE architect

Responsibilities :

- Trained Boursorama's teams (10 people) on subjects covering analysis, design and object modeling with UML
- Coaching design teams (between 3 and 5 people) and running modeling quality audits
- Coaching development teams (between 4 et 10 people) et running code quality audits
- Optimization of CRM's performances

Technical environment : JavaEE, JBoss AS 4 Clusterisé, Apache 2, Struts 1.2, Spring, Hibernate 3, Oracle 10g RAC, Maven 1, CVS, Eclipse 3.0, JMS, Axis XML-RPC

Functional environment : Finance

Jan 2005

1 semaine

Caisse d'épargne (Nantes) :

Context : GIRCE IT department in Nantes wants to upgrade its skills to object technologies

Title : Trainer

Responsibilities : ◦ Wrote training materials

- Trained teams on subjects covering Object oriented analysis, design and modeling with UML 1.4

Functional environment : Bank

Oct 2004

11 months

JM-Bruneau (<http://www.jm-bruneau.fr> - Les Ulis, Evry) :

Context : Redesign of the ordering call center intranet

Title : Architect, designer, developer and trainer

Responsibilities :

- Design and development of the architecture (3-Tiers)
- Design of the platform and development methodology
- Trained ProxiAD and JM-Bruneau teams to JavaEE web development and UML modeling (8 people)
- Analysis design and team leader (4 people)
- Coaching Encadrement des équipes de développement (4 people)
- Optimization of application's performances (Tuning Hibernate, Load-balancing, Validation)
- A notable achievement involves **advocating** and implementing a **Spring/Hibernate/MDA** based architecture as opposed to an EJB based one in **November 2004** against very **strong adversary lobbying**

Technical environment : JavaEE, JBoss AS 4, Struts 1.2, Spring IoC&AOP, Hibernate 3, PostgreSQL 8, Maven 1, CruiseControl, CVS, XML/XSL, JUnit, Load-Balancing, Eclipse 3.0

Functional environment : Retail

Oct 2004

running ...

ProxiAD (<http://proxiad.com> - Opéra, Paris) :

Context : ProxiAD is a provider of software engineering services structured as a network of regional subsidiaries in France and Bulgaria. This configuration allows the group to be extremely reactive to the local needs of its customers and to the autonomy requirements of its employees.

Title : ◦ Designer, developer and trainer during the first 8 months

- JavaEE & MDA architect up until now

◦ Occasionally an IT services consultant for Syntonia (a consulting oriented subsidiary - <http://www.syntonia.fr>)

Responsibilities : ◦ ProxiAD group leader on the following technologies : JavaEE, MDA, JBoss, Hibernate, Spring, Maven and Java

- Initial idea, designer, architect and leader of ProxiAD's JavaEE & MDA industrialization platform
- Lead engineer for MDA and JavaEE watch
- Technical and quality auditor
- Responsible for the group's JBoss partnership
- Technical workshops

Apr 2004

SQLI France (<http://www.sqli.fr> - La Plaine Saint-Denis, Paris) :

Experience (suite)

6 months

Mission : Décathlon - Projet au forfait de 400 j/h

Context : Content Management System intranet for managing Decathlon's product catalog and rich medias

Title : Engineer, designer and developer.

Responsibilities : ◦ Designing and developing technical framework modules

◦ Designing and developing application business modules

◦ Initiator and implementor of the migration of the build system from Ant to Maven 1

◦ Designer and implementor of the XML based data exchange import system (based on Jakarta Commons Digester)

◦ Lead developer

Technical environment : JavaEE, RedHat WAF-CMS 6.0, Struts, Oracle 9i, Weblogic 8.1, XML, ...

Functional environment : Retail industry

July 2003

3 months

LASSI (Laboratory in Analysis of Semantic and Intelligent Systems - Cergy Pontoise) :

Context : **AXSeL** project, a tool for semantic analysis of programming languages (e-Learning).

Title : Engineer, designer, developer.

Responsibilities : ◦ Analysis, Design and development of the "Pipes and Filters" architecture style

◦ Design of a meta language XML grammar.

◦ Design of ANTLR parsing grammars for Java, Pascal and C.

◦ Initial idea, design and development of XSLT stylesheets for the detection of programming patterns.

Technical environment : Java, Tomcat, Cocoon 2, XML, XSLT, XSP, Avalon, ANTLR, CSS, HTML

Functional environment : e-Learning

July 2002

3 months

Live-Banner (<http://www.live-banner.com> - Paris, Bastille) :

Context : Live-Banner is a company offering dynamic flash advertising banners

Title : Analyst, designer, developer.

Responsibilities : ◦ Optimization of the database schema. The main achievement has been to detect that sub graphs of data could be refactored away from a relational oriented storage to a more efficient document oriented storage.

◦ Optimizing the server side banner broadcasting components

◦ Ran load tests and compared results on prototypes with various combinations of technologies (Apache, Linux, Windows, ASP, PHP, ...)

◦ Developed in Java a Flash binary streaming transformation filter targeting resizing, font optimization, file size optimization and data injection of Flash banners (using the Pipes and filters Design Pattern). The main achievement involved identifying and leveraging a library able to parse the binary file format of flash files at a time where it was closed source and no API existed to do that.

Technical environment : Java, C++, SQL Server 2000, IIS, ASP, COM+, Flash, XML

Functional environment : Advertising

July 2001

2 months

PMP (Palm Management Project - <http://www.pmp.fr> - Paris, Opéra) :

Context : Refactoring of the data synchronization platform to support multiple users simultaneously. Moving from PSTN (Public Switched Telephone Network) to TCP-IP

Title : Designer, developer.

Responsibilities : ◦ Designed, and developed a client server platform

◦ Designed and developed a XML based data synchronization protocol (single master, multiple slaves)

◦ Designed and developed an in house light XML parser in C for PalmOS

◦ Designed and developed a VB6 multi-threaded TCP/IP server

◦ Evolved the client Palm application using a RAD for PalmOS

Technical environment : VB6, C, MS Access, SDK PalmOS, Codewarrior, XML

Functional environment : Field sales force

July 2000

2 months

PMP (Palm Management Project - <http://www.pmp.fr> - Paris, Opéra) :

Context : PMP is a startup launching an ASP data synchronization application on PalmOS for medical field sales forces.

Title : Developer.

Responsibilities : ◦ Developed a PSTN (Public Switched Telephone Network) mono connection data synchronization server built with VBA and MS Access

◦ Developed the client application on PalmOS with a RAD

Technical environment : MS Access 2000, VBA

Experience (suite)

Functional environment : Field sales forces

Non profit organisations

Nov 2001

2 years

ATILLA (Association for Internet Technologies, Free and alternative Software)

<http://www.atilla.org>

President

Specializations

Platforms	Java based distributed and highly available architectures , Dynamic processing of information.
Frameworks	Spring, Hibernate & JBoss
Performance	Algorithmic performance optimization , Java memory and performance optimization, robustness, resource leaking analysis.
Model-Driven	UML, Modelisation, Meta-Modelisation, Domain Specific Languages , Model to Model transformations, Model to Text code generators, Forward incremental model engineering, Reverse model engineering, Internal DSLs, External textual and graphical DSLs.
Industrialisation	Optimization of development processes, modeling accuracy and software building efficiency.
Rule engines	Inductive and constraint based logical programming, rule engines, Expert systems , simulated evolution.
Software engineering	UML, Design Patterns , object oriented Programming, component oriented programming, aspect oriented programming, IoC.
Language theory	Lexers, parsers, automates, finite state machines.

Computer Skills

Languages

Programming	JAVA 1.4 & 1.5 , C, C++, PHP, Caml, Shell
Relational	SQL, PL/SQL, HQL
Rule	Prolog, CLIPS, Drools
MDA	ATL, oAW xTend, oAW xPand, MOFScript
AOP	Spring AOP, JBoss AOP, AspectJ 5
Publication	L ^A T _E X, Docbook XML
Web	HTML, XHTML, HTML5, XML, XSLT, SVG, Javascript, Groovy
Parsing	ANTLR grammars, XSLT, Xtext grammars

Architectures, Frameworks and tooling

OS	Windows, Linux, MacOS & MacOSX, PalmOS
Build	Maven 1&2 , Ant, XDoclet, Sun APT
MDA	EMF Ecore, Xtext , openArchitectureWare, MOF 1.4, ATL, M2M, M2T, AndroMDA
Networking	TCP, UDP, IPv4
Web protocols	Comet, Web Socket, HTTP
SGBD	PostgreSQL, Oracle (8i, 9i, 10g) , MySQL, Access 2000, SQL Server 2000
J2EE	JBoss AS 4 (Certified), Spring 1 & 2, Hibernate 3 & JPA, JTA, Clustering
SOA	JMS avec JBoss MQ, Web Services, SOAP, WSDL, XML-RPC, Apache Axis, JBoss jBPM
Web	JBoss Seam, Grails, AJAX, JSF, JSP, Apache HTTPD, Tomcat, Jetty, Cocoon 2, Struts 1.x
GUI	AWT, Swing, SWT, JFace , Trolltech QT
RIA	GWT 1, Flex 2
IDE	Eclipse, MagicDraw UML 9.5
Distributed	EJB3, jGroups , Corba, COM+, JBoss Cache
Parsing	ANTLR

Computer Skills (suite)

COP	Spring IoC , Guice, OSGi, Spring DM , EJB3, Apache Avalon (Merlin), Excalibur, Pico Container
Quality	FindBugs, JDepend, PMD, Checkstyle
Versioning	CVS, Subversion, Mercurial
Security	X.509 SSL certificates, JBoss Security, JAAS, OpenID
SSO	Open SSO, JBoss SSO

Other skills and personal interests

Languages

French	Mother tongue
English	Fluent <ul style="list-style-type: none">◦ 11 months in an 70% english speaking working environment.◦ Multiple trips to the USA and England (7 months in total)
Japanese	Notions
German	Notions

Spare time activities

Culture	Trips, Reading, Cinema
Sport	Street Hockey, SnowBoard, FunBoard, Tennis, Squash, Moto

Publications and talks

Publications

January 2009	Programmez ! magazine issue 115 (http://www.programmez.com/boutique.php?numero=115) : Co-wrote with Arnaud Buisine the article "MDSD, MDD, ou MDA : quel outil choisir?" (<i>MDSD, MDD or MDA : what tool should you choose ?</i>) published in french Programmez ! magazine issue 115 in January 2009
April 2010	Programmez ! magazine issue 129 (http://www.programmez.com/boutique.php?numero=115) : Wrote the article "Créez votre propre langage et son éditeur Eclipse avec Xtext" (<i>Create your own language and his Eclipse based editor using Xtext</i>) published in french Programmez ! magazine issue 129 in April 2010

Talks and events

November 26, 2009	MD Day 2009 (http://www.mdday.fr/ - Paris, France) : Co-presented with Etienne Juliot (Obeo CEO) a case study on 5 years of MDA usage at ProxiAD (Microsoft's conference center in Issy les moulineaux)
November 17, 2009	Eclipse Demo Camp Paris 2009 (Paris, France) : Organized the Eclipse Demo Camp Paris 2009 event in November 2009 in partnership with Obeo, EPITA school and the Eclipse foundation.
October 27, 2009	Eclipse Summit Europe 2009 (http://www.eclipsecon.org/summiteurope2009/ - Ludwigsburg, Germany), Modeling Symposium : EMF Customizer, Customizing generated models. <i>Slides not published yet.</i>
July 10, 2009	Rencontres Mondiales du logiciel libre (http://2009.rml.info/ - Nantes), Eclipse Acceleo Day : MDSD Scaffolding with Drools & Acceleo. <i>Slides on Slideshare (EN) : http://is.gd/4KAGn.</i>