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Associated Consultant

ORACLE
Certified Associate



Intervention Levels

- Team management
- Prospecting
- Training and coaching
- Requirements specification
- Analysis / Design / Programming
- Deployment / Implementation

Domain areas

- Clinical data management software design
- J2EE and PHP project management and application development
- Model Driven Architecture
- New technologies prospecting
- Software engineering and life cycle
- MVC (Model-View-Controller) architecture design, Three-tier (View-Model-Data), Client/Server and design patterns
- Internet technologies Expert (Web, WebServices, e-commerce systems...)

Specific knowledge

- Core Developer of the Espresso Framework
- Methodologies: Rational Unified Process (RUP), eXtreme Programming (XP)
- Application Servers: JBoss, Apache Tomcat
- Java Frameworks: Espresso, Struts, ANT, Velocity, Log4Java, JUnit, Cactus, XDoclet, Java Server Faces (JSF)
- PHP Frameworks: Phrame, PHPUnit, PEAR, Smarty
- Web Servers: Apache, IIS
- Distributed Architectures: EJB, WebServices, JINI, JMS, JNDI
- DBA: Oracle 8i et 9i, SQL Server, PostgreSQL, MySQL
- Programming languages: Java/J2EE, C, PHP, SQL, UML, HTML, Cobol, CICS, JCL, Perl
- Protocols: HTTP, TCP/IP, RMI
- Software: Jbuilder, Eclipse, Poseidon for UML, MS Project, Oracle Reports, Crystal Reports
- Version Control: CVS, SubVersion
- System Administration: Linux, Windows NT4 – 2000, Lotus Notes/Domino R5 - R6,
- WatchGuard Firebox

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Economical sectors

- Biomedical
- Biotechnological
- Pharmaceutical
- Software systems development
- R & D
- Internet Services

Portfolio of projects:

PHARMACEUTICAL COMPANY **2004**

Project: Early Treatment Access (ETA) management system

(ongoing)

Objective: Developing a web based system for managing an international scale ETA trial:

Key points:

- **Security and data confidentiality**
- **Patient inclusion to the trial**
- **Pharmaceutical logistics**
- **Case record forms**
- **Invoicing**
- **Decision support reports**

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Poseidon for UML, J2EE/JBoss, Expresso, PostgreSQL, JBuilder

PHARMACEUTICAL COMPANY

2004

Project: Password management system for the helpdesk

(1 week)

Objective: As a part of the deployment of a global directory for clinical trial data management applications, there was the need for a highly secured application for the worldwide distributed helpdesk to manage password reset.

Key points:

- **Data security**
- **Multiple condition management according to periodical batch treatments.**

Intervention levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Oracle JDeveloper 10g, Oracle Application Development framework (ADF formerly BC4J), Oracle 10gAS, Oracle 9iR2.

NATIONAL RESEARCH CENTER (CNRS) 2004
Project: Spotfire Decision Site integration with R statistical system

(planned)

Objective: Implement an integration between the two key microarray data management systems at the Molecular Genetics Center (CGM - CNRS) : Spotfire Decision Site and the R statistical analysis system with the goal of having spotfire's data manipulation power coupled with R's analysis capabilities.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: J2EE, RSOAP, Apache AXIS, Oracle 9iR2, JBuilder

OPEN SOURCE AND COMMERCIAL SOFTWARE EDITOR 2004
Project: Content Management System

(Ongoing)

Objective: Assure the lead developer role for the company's key product, a web based CMS, with the goal of bringing it back to the cutting edge.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Poseidon for UML, J2EE, Expresso, Oracle 9iR2, JBuilder

EDF (ELECTRICITE DE FRANCE)

2004

Project: Oracle/WebLogic/Apache for application architects

(1 week)

Objective: To develop a seminary for application architects about EDF's web hosting platform, their implementation and benefits and the costs for hosting internal projects. A secondary goal of the seminary is to introduce the internal "web application cell" and how involving it in early stages of the projects can reduce costs and improve application quality.

Intervention Levels:

- Platform analysis
- Costs/Benefits analysis
- Interviews with in-house experts
- Audience profiling
- Presentation design
- Seminary development

Technological environment: Apache 1.3/2.0, WebLogic 8.1, Oracle 9iR2

WORLDWIDE SCALE INFORMATICS ENGINEERING CORPORATION

2004

Project: Oracle Forms 6 Training

(1 week)

Objective: To train project leaders and developers to the Oracle Forms 6 development environment

Intervention Levels:

- Audience profiling
- Training plan definition
- Training sessions development

Technological environment: Oracle 9iR2, Oracle Forms 6

GENEVA CANTONAL HOSPITAL - SWITZERLAND

2004

Project: Oracle SQL Optimization training

(2 days)

Objective: To train Developers and Data-Warehouse builders to optimizing SQL Queries within Oracle.

Intervention Levels:

- Audience profiling
- Training plan definition
- Training sessions development

Technological environment: Oracle 9iR2

IRMM – EUROPEAN COMMISSION - BELGIUM

2004

Project: Oracle SQL training

(3 days)

Objective: To train data analysts to Oracle SQL and to cross-tab queries.

Intervention Levels:

- Audience profiling
- Training plan definition
- Training sessions development

Technological environment: Oracle 9iR2

INTERNATIONAL AIRLINE 2004

Project: Oracle DBA training

(2 weeks)

Objective: To train junior DBAs to Oracle administration.

Intervention Levels:

- Audience profiling
- Training plan definition
- Training sessions development

Technological environment: Oracle 9iR2

PARIS TOWN HALL

2004

Project: Struts / DAO training

(4 weeks done, 6 weeks planned for 2005)

Objective: To train project managers and developers to the technologies specified in the Paris Town Hall development guidelines.

Intervention Levels:

- Audience profiling
- Training plan definition
- Training manuals design and writing
- Training sessions development

Technological environment: Apache Tomcat, Struts, Hibernate, Oracle 9iR2, JBuilder

TRAINING CENTER

2004

Project: OpenLDAP training

(2 days)

Objective: To train network and system administrators to the open source directory OpenLDAP.

Intervention Levels:

- Audience profiling
- Training plan definition
- Training sessions development

Technological environment: Red Hat Linux, OpenLDAP

PHARMACEUTICAL COMPANY

2004

Project: Marketing trial data management system

(2 months)

Objective: Developing a web based system for managing a national scale marketing clinical trial:

Key points:

- **Security and data confidentiality**
- **Patient inclusion to the trial**
- **Case record forms**
- **Decision support reports**

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: LAMP (Linux, Apache, MySQL and PHP), Nusphere PHPed, Phrame, PEAR, Smarty

TRAINING CENTER

2004

Project: C language with Visual Studio training

(1 week)

Objective: To train developers and project managers to the C programming language in Visual Studio environment

Intervention Levels:

- Audience profiling
- Training plan definition
- Training sessions development

Technological environment: Microsoft Visual Studio 6

ONCOLOGY CONTRACT RESEARCH ORGANIZATION

2004

Project: Lotus 5 to Lotus 6.5 migration

(1 month)

Objective: To upgrade the existing Lotus Notes/Domino R5 platform to Release 6.5.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Implementation and deployment

Technological environment: Windows 2000 server, HP Data Protector

ONCOLOGY CONTRACT RESEARCH ORGANIZATION

2004

Project: Oracle Clinical FDA 21 CFR Part 11 validation

(2 months)

Objective: To validate the Oracle Clinical implementation to comply with the FDA 21 CFR Part 11 guidelines for industry on electronic records and electronic signatures.

Intervention Levels:

- Responsible for the project
- Validation tests design
- Team management

Technological environment: Oracle Clinical 4.5, Oracle 9iR2, Oracle 9iAS

PARIS TOWN HALL

2003

Project: DBForms training

(2 weeks)

Objective: To train project managers and developers to the technologies specified in the Paris Town Hall development guidelines.

Intervention Levels:

- Audience profiling
- Training plan definition
- Training manuals design and writing
- Training sessions development

Technological environment: Apache Tomcat, DBForms, Oracle 8i, JBuilder

NATIONAL RESEARCH CENTER (CNRS) 2003
Project: Web interface to a statistical analysis system

(2 months part time)

Objective: To design and to develop a web interface defining a workflow for collecting microarray data, storing it in a database and coupling it to statistical analysis programs written in the R statistical analysis system.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: J2EE, RSOAP, Apache AXIS, PostgreSQL, JBuilder

ONCOLOGY CONTRACT RESEARCH ORGANIZATION 2003
Project: Oracle Clinical deployment and configuration

(1 month)

Objective: To deploy and configure the different components of Oracle Clinical 4.0 (database, application layer, web server, forms server, reports server) and validate the implementation according to Oracle's standards.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Oracle Clinical 4.5, Oracle 8i, Oracle 9iAS

ONCOLOGY CONTRACT RESEARCH ORGANIZATION

2001

Project: ERP development

(5 months)

Objective: To design and develop an ERP specific for the CRO activity. The project had a bad background coming from a failed version developed under Lotus Notes/Domino R5.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Poseidon for UML, J2EE, Expresso, Oracle 9iR2, JBuilder

ONCOLOGY CONTRACT RESEARCH ORGANIZATION

2002

Project: Network re-engineering

(1 month)

Objective: Update the network infrastructure according to security and performance needs. The new setup included a Watchguard Firebox and a layer 3 core switch with QoS and MAC address locking.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Windows 2000, Linux, Watchguard Firebox, HP Procurve switches, Cisco routers

NATIONAL RESEARCH CENTER (CNRS) 2002
Project: Stanford Microarray Database port from Oracle to PostgreSQL
(2 months)

Objective: To port the database layer of the Stanford Microarray Database from Oracle to PostgreSQL without losing performance or scalability. The challenge was the SQL being generated on the fly and making heavy use of Oracle's specific features.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Perl, Linux, Apache, Oracle 8i, PostgreSQL

NATIONAL RESEARCH CENTER (CNRS) 2002
Project: Microarray image analysis software port from C to Java
(1 month)

Objective: Migrate from C to Java and refactor the code of a highly complex microarray image analysis algorithm, bring it to object oriented design and integrate it with a graphical front-end.

Intervention Levels:

- Responsible for the project
- Specification and prototyping
- Technology prospecting
- Analysis and design
- Implementation and deployment

Technological environment: Java, C, JBuilder.

Background:

Masters degree in Bioinformatics – Paris VI University "Pierre et Marie Curie"
Paris – France (2003)

Languages spoken:

- Spanish: Native language
- English: Bilingual : 945/990 points TOEIC – lived two years in USA
- French: Bilingual : living in France since November 2000

Certifications:

- Oracle Certification “Oracle 9i Certified Associate” (OCA)
Oracle France – 2004
- Linux Certification “Red Hat Certified Engineer” (RHCE)
Red Hat France - 2002

Training courses:

- Oracle Real Application Clusters
Oracle France – 2004
- Oracle 9i tuning
Oracle France - 2004
- Oracle DBA
Demos France - 2003
- IT Project management
Institut Cap Gemini - 2002
- Linux networking and security
Red Hat France-2001
- Managing a Domino infrastructure
Lotus France-2001