

# ALBAN FONROUGE

## Senior Software Engineer and Project Manager

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### PROFESSIONAL SUMMARY

11 years of work experience in software development. Last position as Deputy Managing Director, with a strong hands-on involvement in projects. Involved in all stages of the software development life cycle, including pre-sales, requirements analysis and specifications, development, project management, hosting recommendations and deployment. Broad technical background in software development and system administration. Can effectively communicate requirements, technical problems and solutions between non-technical and technical audiences. Quickly adapt to new and complex environments. Have worked with customers in France, the UK and the US.

### AREAS OF EXPERTISE

**Software development:** Solid understanding of software development processes. Experience with Scrum methodology. Experience with various issues management tools, collaboration tools, Microsoft Project.

**Technologies:** Eclipse and Visual Studio development environments, Java, C#, Spring Framework (.NET and Java), Hibernate and nHibernate frameworks. Database design, transaction SQL, MDX query language. XML, XSD, XSLT, HTML, Javascript and AJAX technologies, in particular ExtJS and jQuery toolkits. Notions in distributed computing, message queuing and Service Oriented Architecture.

**System administration:** Linux, Windows (Active Directory). SAN and VMWare administration. Database administration (Microsoft SQL Server, PostgreSQL, Oracle). Monitoring tools: Nagios, Cacti.

**Languages:** French (mother tongue), English (fluent), Spanish (basic level), learning Norwegian.

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### WORK EXPERIENCE

#### **Ingénierie Diffusion Multimédia (IDM), March 2000 – January 2011:**

IDM is a 35 people company based near Paris, France, with customers in France, UK, US, Germany, China and Belgium. The company also has subsidiaries in the US (Florida) and in Denmark. It provides consultancy services and ad-hoc software development services. It also sells a range of products to manage, index and search large volumes of XML content. Those products cover the full value chain: production of content through customized Content Management Systems, data processing, electronic publishing and typesetting for printed deliveries.

#### **Deputy managing director and member of the board of directors, September 2004 – January 2011**

Global responsibilities:

- Management of the technical team
- Resource planning
- Integration of the team of the US branch, acquired in 2008
- Working practices: improvement of tools and methodology used for development and project management
- High-level management and strategic decisions regarding the in-house products, in particular: the XML indexing and search engine, the XML Content Management System and the Identity Management System.
- Selection and support of collaboration tools (Wiki, issues database, MS Project, timesheet, etc)

Involvement in several projects at various stages, including pre-sales, requirements analysis and specifications, development, project management, hosting recommendations and deployment, in the following fields:

- Market Research (Ipsos and subsidiaries in France, UK and US): questionnaire design tool, web-based data analysis software, media planning tool
- Audience Measurement (OJD, France): web-based data analysis application
- Market Risk (Louis Dreyfus Commodities in France and Switzerland): data warehouse application
- Content Management and distributed XML search engine: ad-hoc developments for Oxford University Press, Pearson Longman and in-house product development with customers in UK, US, Germany, China.
- Online language resources websites for UK publishers (Pearson Longman, Macmillan Education, Cambridge University Press, Oxford University Press)
- Access control: web-based authentication solution for French schools and publishers (Datapasse)

#### **Project manager, October 2001 – September 2004**

##### Content Management:

- Development of the new Content Management System for editing of the Oxford English Dictionary (Oxford University Press, UK)
- Development of a back-office tool to manage Hachette Multimedia Encyclopedia articles and media resources (Hachette Multimedia, France)

##### Credit information and credit reports:

- Development of a website to deliver reports and financial statements about French and Spanish companies. Development of a log shipping service to synchronize a stand-by Microsoft SQL Server database.

##### Encyclopedia:

- DVD version of the Encyclopædia Universalis (versions 8 and 9, Windows application)

#### **Developer, September 2000 – October 2001**

##### Content Management:

- Pearson Longman Dictionary Production System: Development of management website including workflow component.

##### Encyclopedia:

- DVD version of the Encyclopædia Universalis (version 7, Windows application)

#### **Internship as developer, March 2000 – September 2000**

##### Content Management:

- Pearson Longman Dictionary Production System: Development of a XML Editor on top of Internet Explorer (HTML, Javascript)

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#### **Contributions to open source projects**

Metadata Plugin for Confluence (Wiki developed by Atlassian), 2010; MVC ScriptManager, 2010; googlebar (Google search bar for Mozilla), 2005

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## EDUCATION

#### **1997-2000: École Centrale Paris, France**

Master's degree in engineering. École Centrale Paris is one of the most prestigious engineering schools in France. Education is multidisciplinary, including classes in science, engineering, management and social sciences.

Participation in VideoLAN open source project (video player and streaming server).

#### **Internships in 1998 and 1999**

Database design and implementation using PHP, PostgreSQL and Microsoft Access.

Teaching basics of UNIX administration.