Fabrice Matrat
Web Architect

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Objectives

Web Architect with more than fifteen years of experience looking for opportunities that leverage my expertise in research, architecture, development and design.

Strong believer in open source and enterprise middleware, polyglot-ism, asynchronous application development, cross platform mobile, anything that can boost developer productivity and efficiency.

http://fabricematrat.github.com

Open Source Projects & Conferences

GR8Conf (Minneapolis) July 2013 **Speaker**	Groovy DSL For Kids
GR8Conf (Minneapolis) July 2013 **Workshop**	Hybrid mobile app in minutes, not days
Web5 (Beziers) June 2013 **Speaker**	Hybrid mobile app in minutes, not days
ConFESS (Wien) April 2013 *Workshop*	Hybrid mobile app in minutes, not days
Riviera Gug (Nice) February 2013 **Workshop**	HTML5 Games Hands-on
Greach (Madrid) January 2013 **Speaker**	Hybrid mobile app in minutes, not days
Grails eXchange (London) December 2012 **Speaker**	User Interaction and Groovy DSL
Grails eXchange (London) December 2012 **Speaker**	Groovy as a weapon of mass PAASification
JS.Everywhere (Paris) November 2012 **Speaker**	Hybrid mobile app in minutes, not days
3musket33rs *Mobile Open Source Hacker*	Grails Mobile plugins suite
RivieraGUG *Co-founder*	Co-founder of the 2nd coolest Groovy and Grails User Group in France

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Professional History

3musket33rs **Mobile Open Source Hacker**	3musket33rs Grails Mobile plugins suite provides Mobile HTML5 scaffolding. In a minute, scaffold a skeleton for your mobile application that contains all you need for CRUD operations. Taking Grails MVC a step further remove classical GSP for MV* implementation client side with HTML5 and jQuery mobile. Using convention over configuration, scaffolding for offline and back online synchronisation, map service for geolocation. Server side push notification using Atmosphere SSE implementation PhoneGap packaging for Hybrid App Roadmap: Plug to any JS MV* framework (TodoMVC) especially Angular Make 3musket33rs suite REST implementation agnostic Package 3musket33rs suite into yeoman Support for vertx scaffolding, Polyglot support
Amadeus **Architect** **May 06 to present** *Sophia Antipolis* *(France)*	Amadeus is the leading provider of IT solutions to the travel and tourism industry. Architect for the e-commerce solution that powers 400 websites for air, hotel, car and rail serving 10 million users and Amadeus Selling platform the B2B platform for half million travel agents. Making sure we can sustain our current traffic of 1 billion page view per month. Defining future framework like Application Portal for Professional to allow customization for 500000 customers. Introducing framework like Spring IOC in a 15 years old application Infinispan for our session management with 60 GB of data. Monitoring code quality for 10 millions lines of code and providing trainings for 500 developers. Prototype JBoss Migration. Defining the vision for the next step in architecture introducing distributed services through ESB and SOA. Making Bridge between UI and Back-end Developers. Sample realisations : http://www.travelmole.com/stories/1115833.php?mpnlog=1 http://www.amadeus.com/travelagencies/documents/travelagencies/Sale%20Sheet_Rail+.pdf

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Ri3k Ltd. **Architect / Team Leader** **July 05 to May 06** *London* *(UK)*	Team Leader/Architect responsible for the architecture and development of an electronic trading service for the reinsurance industry starting from a data management center, contract management center to placement. Reporting directly to the technical director and mentoring a team of 10 java developers. Responsible of bringing an agile/XP approach to the current development to allow fast and reliable delivery (acting as an iteration manager). Building architecture for an internet portal based on Ajax, XSL, XWork/Webwork, Spring, Acegi, Hibernate, SQLServer/Oracle. Java Test driven development approach using JUnit, JMock, CruiseControl.
Choreology Ltd. **Software Engineer** **Oct 01 to May 05** *London* *(UK)*	Member of Choreology team that develops Business Transaction Management (BTM) software to enhance the management of business transactions that span and coordinate multiple applications. Implemented the XML Web Services BTP and WS-AT/WS-BA specifications to achieve transparency of web services transaction protocol through the Cohesions API in Java. Designed and developed the integration with leading Web Services toolkits (WebLogic, WebSphere, JBoss, CapeClear). Designed the interface to allow transaction control and automated recovery of business state for BPEL/BPM vendors and developed prototype with WebLogic Integration. Implemented the recovery/logging with multiple databases (Oracle, DB2, SQLServer) to perform automated completion of business transactions, even in the events of failures. Designed and developed the communication layer of the Cohesions product with SOAP, JMS, RMI, CORBA. Participation in Web Services standard work (OASIS, W3C, OMG) for WS-AT/WS-BA, WS BPEL and JSR 156 (Java Transactioning API JAXTX).
Manulife Financial **Solution Architect** **Feb 01 to Sept 01** *Toronto* *(Canada)*	Headed a team of 5 people for the development of a fully integrated on-line enrolment solution that will increase customer satisfaction through ease of use, improved perception of the 401k web experience. Developed an MVC framework for the next generation of e-Commerce Manulife's Internet environment, which would be equivalent to Struts (JSP/Servlet/EJB).

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The Bulldog Group **(Now Documentum)** **Software Engineer** **Oct 99 to Feb 01** *Toronto* *(Canada)*	Led a team of 4 people for digital asset manipulation. Proposed a new architecture to enhance performance to a digital asset management system. Designed a framework for middleware independence between servlet and digital manipulation software/API in Java and C++. Delivered the company largest project within tight deadlines, several times exceeding customer expectations on many performance and functional criteria. Developed innovative solutions for scalability, security and performance.
Deutsche Bank **Senior Programmer Analyst** **Au 98 to Au 99** *London* *(UK)*	Designed and developed a framework for enterprise wide solution for distributed applications. Based on this architecture: Proposed and implemented the fast in-memory database with OTS and canonical secure format that allows the client to modify business-to-business transactions. Manufactured a generic framework for intercommunication between legacy systems using CORBA and C++. Implemented Trade Server that can download, update and create trades from heterogeneous client applications into different databases and legacy systems in C++.
Quaternove **Programmer Analyst** **Jul 97 – Jun 98** *Paris* *(France)*	Participated in Object Oriented Analysis and Design of billing software of middle to large size corporations for European leader hydro company. Proposed and Implemented the client/server communication using middleware IBM MQSeries in C++. Researched and documented information on quality, maintenance and performance of the system. Designed business and database tier of the three-tier application.

Education

1997-1996	Military service.
1993-1996	Certified engineer of Mechanic and Aeronautic sciences. ENSMA: Ecole Nationale Supérieure de Mécanique et d'Aérotechnique de Poitiers.
1990-1993	Pre-graduate of engineer. (Classes Préparatoires aux Grandes Ecoles.)
1990	Baccalauréat C (French scientific secondary school diploma).