Fabrice Matrat
Web Architect

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Objectives

Web Enthusiast 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, pragmatic and curious developer always looking for ways to boost productivity and efficiency.

http://fabricematrat.github.com

Open Source Projects & Conferences

JavaOne (San Francisco) Sept 2013
Speaker

Polyglot Alchemy: JSR223 in Action

GR8Conf (Minneapolis) July 2013
Speaker

Hybrid mobile app in minutes, not days

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

HTML5 Games Hands-on

Riviera Gug (Nice) February 2013
Workshop

Hybrid mobile app in minutes, not days

Greach (Madrid) January 2013
Speaker

User Interaction and Groovy DSL

Grails eXchange (London) December 2012
Speaker

Groovy as a weapon of mass PAASification

Grails eXchange (London) December 2012
Speaker

Hybrid mobile app in minutes, not days

JS.Everywhere (Paris) November 2012
Speaker

Grails Mobile plugins suite

3musket33rs
Mobile Open Source Hacker

Co-founder of the 2nd coolest Groovy and Grails User Group in France

RivieraGUG
Co-founder

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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 or more (i.e. Angular UI).

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

Cordova Plugin for SSE and WebSocket using Netty.

Efficient Set Reconciliation implementation in JavaScript Java

Kissing Turtles, a game to teach computer programming and logic to

kids in Groovy/Scala.

Roadmap:

Plug to any JS MV* framework (TodoMVC) especially Angular

Make 3musket33rs suite REST implementation agnostic

Package 3musket33rs suite into yeoman

Support for Vert.x/Netty 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 120 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. Stress Test and performance monitoring.

Defining future framework like Application Portal for Professional to allow customization for 500000 customers.

Introducing framework Spring IoC in a 15 years old application, lean Framework using Spring MVC.
Aria Templates JavaScript (http://ariatemplates.com/)

Monitoring code quality for 10 million lines of code and providing trainings for 500 developers. Introducing TDD Methodology.
Building monitoring tool using AOP (ASM) of the current usage of our application.

Making Bridge between UI and Back-end Developers.

Promote usage of Vert.x and Netty for high availability service.

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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, AOP, Hibernate, SQLServer/Oracle, JavaScript.

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 Transaction 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	Led a team of 4 people for digital asset manipulation.
(Now Documentum)	Proposed a new architecture to enhance performance to a digital asset management system.
Software Engineer	
Oct 99 to Feb 01	Designed a framework for middleware independence between servlet and digital manipulation software/API in Java and C++.
Toronto	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.
(Canada)	

Deutsche Bank	Designed and developed a framework for enterprise wide solution for distributed applications. Based on this architecture:
Senior Programmer Analyst	
Au 98 to Au 99	Proposed and implemented the fast in-memory database with OTS and canonical secure format that allows the client to modify business-to-business transactions.
London	
(UK)	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	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.
Programmer Analyst	
Jul 97 – Jun 98	
Paris	
(France)	

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).