

## objective

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A part-time position as **Senior Engineer** in a small, dynamic company with an international background.

I would love to work on a new project, alongside a team of seasoned professionals sharing the same commitment to quality work. I am looking for a company that welcomes initiatives and enthusiasm, and where I could express my passion about building web applications.

Creative, organized and detail-oriented, I am very interested in architectural issues and development methodologies (effective use of team collaboration tools, version control, build management, automated testing and process automation).

My previous positions in technology companies gave me hands on experience in designing and developing web-based enterprise-level software.

I am also an **entrepreneur** and the **founder** of Loomiz, a brand new social bookmarking service meant to be simple, elegant and addictive.

## profile

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- 9+ years of web applications development experience
- Driven by strong interest in Internet technologies
- Proficient in client server *n-tier* architectures
- Meticulous and detail-oriented
- Great team player with good communication skills
- Smart, open-minded and versatile
- Learn fast, truly passionate about web development

## education

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- 2000 ESSI (Ecole Supérieure en Sciences Informatiques), Sophia Antipolis, France:  
**Graduate School of Engineering**, Computer Sciences, Distributed Systems and Applications.
- 1997 IUT (University Institute of Technology), Nantes, France:  
**Two-year University degree**, Computer Sciences, Software Engineering.
- 1995 Lycée Chevroliier, Angers, France:  
**Secondary School diploma**, Electronics major with honors.

## skills

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### Programming languages and technologies:

Php	■■■■□
Java/J2EE (Servlet, EJB, MDB, JDBC, JMS, ...)	■■■■□
HTML, CSS	■■■■■
Javascript	■■■■□
SQL, PL/SQL	■■■■□
XML (XSL, XSLT, XPath, ...)	■■■□□
Web services	■■■□□
Aspects (AOP)	■■□□□

### Application and web servers:

Apache	■■■■□
Bea WebLogic	■■■□□
JBoss	■■□□□
Jakarta Tomcat	■■□□□

### Databases:

MySQL	■■■■□
Oracle	■■□□□
Microsoft SQL Server	■■■□□

### Development tools:

Eclipse	■■■■■
Apache Ant	■■■■■
Borland JBuilder	■■□□□

### Version control tools:

Subversion	■■■■■
Rational ClearCase	■■■□□
Microsoft Vss	■■■□□

### Operating systems:

Microsoft Windows, Linux (Debian)

### Software engineering:

UML, OO design, design patterns  
Agile methodologies

### Special skills:

Desktop publishing, web design

### Languages:

English: Fluent  
French: Mother tongue

## **Loomiz**

Sophia Antipolis, France

Since October 2006

### **Founder**

Creator of a new social bookmarking web application, an online service for storing, classifying and sharing links. Took on several roles to start up the company.

- Defined product positioning and business model. Listed requirements and conducted competition analysis. Also elaborated brand identity and communication media.
- Defined architecture and technical platform. Selected and set up the development environment based on rapid development technologies and methodologies.
- Designed the web user interface and converted it into standards compliant code.
- Designed the database schema and implemented the whole persistence layer.
- Developed all the use cases in Php and deployed application in a LAMP environment. Also implemented all the front-end logic in Javascript (visual effects, ajax, ...).
- Implemented a debug panel providing valuable information during the development phase.
- Set up and administrated a change configuration system repository with 3 distinct branches (development, staging and production).
- Installed and configured the Debian production platform (including firewall, deployment scripts, ...).
- Created, designed and developed a blog to promote the product and build a customer base.

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**Platform** : Apache, MySQL.

**Tools** : Eclipse (with PDT), Ant, Subversion (with TortoiseSVN), MySQL Workbench, Zend Framework, Mootools, Wordpress.

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## **Ziki**

Saint Tropez, France

October 2007

### **Consultant**

Helped the startup specialized in online personal branding to clarify its vision and refined its product positioning before launching the new version. Also reviewed the website information architecture and the interface to improve the user experience.

- Designed the new user interface as wireframe documents.

## **e-Travel** (via Astek Sud Est)

Sophia Antipolis, France

April 2004 to September 2006

### **Consultant**

Several roles in the development of the Air Canada booking website, a high performance clustered multi-tiered J2EE application.

- Project leader on a 150 man/day project whose goal was to allow the user to choose and modify her/his seats independently from the booking process. Done business requirements analysis and sizing of two others main projects. Routinely in contact with overseas customers.
- Specified, developed, integrated and tested several new functionalities relating to the management of the users' profiles. Also performed maintenance of the site in production.
- Wrote most of the sequence diagrams illustrating the different ways to login into the application (complex use cases where several situations have to be taken into account).
- Built a website to facilitate the work of comparing and merging different versions of the product. Developed a second website to regroup and centralize any information and documents needed by the development team.
- Analyzed and proposed enhancements for our testing tools and development process.
- Refactored and greatly improved the web application used to authenticate a user. Rebuilt and repackaged a Java Web Start application employed to exchange XML messages with external systems. Specified and designed a mockup of a generic backend monitoring tool.
- Responsible for the implementation of a connector to a third-party SOAP web service used to retrieve travel agent discounts. Also developed the web service itself in order to test the client part.

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**Platform** : IPlanet Web Server, WebLogic, SQL Server.

**Tools** : Eclipse, Ant, Visual Source Safe/ClearCase, Win@proach, Rose, XMLSpy, Test Director, Java Web Start, SWT, Axis, Nux.

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**Software Engineer**

Technical leader in a team of 4 engineers developing a complex management system for routers which offered services to discover, activate and store configurations and interfaces of some 50,000 devices administrated by Equant.

- Designed a scalable J2EE architecture, based on Open Source software.
- Created a website to centralize all the information relating to development.
- Developed all the scripts used to build the application into separate modules, packaged as J2EE deliverables (EAR, WAR, SAR et JAR files) compatible with JBoss' classloader repository.
- Responsible for the installation and the configuration of the application server (JMS queues, ...).
- Implemented the major part of EJBs and MDBs holding the business logic.
- Designed and developed the framework, a component proposing services such as dynamic configuration through class introspection, logging, database access, messaging, ...
- Implemented several components using JMX: defined a service responsible for loading configuration files into the JNDI tree. Implemented a tool to monitor the application activity (queues' status, bean's pool size, ...). Developed a MBean scheduler service.
- Developed the data access layer and unit tests.
- Led team in the application of best practices: design patterns, naming conventions, etc.
- Modeled in UML the use cases and wrote the system's documentation.
- Developed aspects to log methods' signature in the beans independently from the code itself. Developed other aspects to verify the application conformity with the J2EE specification.

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**Platform** : JBoss, MySQL, CVS.

**Tools** : Eclipse, Ant, ClearCase, Jikes, Rose, JUnit, XDoclet, AspectJ, Log4J.

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**Software Engineer**

Actively participated within a startup team in the implementation of a payment authorization solution for card-not-present transactions (internet, mail order and telephone order).

- Analyzed and documented the former Triple-DES/RSA based cryptographic solution.
- Promoted some Agile methodologies' principles: coding standard, design improvement, etc.
- Created an intranet centralizing all development team's documents.
- Assisted CTO in recruiting the development team.
- Modeled in UML the business components and their interactions.
- Implemented server-side key components as EJBs. Performed unit testing.
- Participated in the development of the persistence layer (SQL requests and stored procedures).
- Wrote the scripts in charge of compiling and deploying client and server parts.
- Presented technical proposals to carry out for the commercial version of the solution.
- Responsible for setting up a new platform and for migrating tools.
- Analyzed and improved the existing architecture: refactored the application into independent modules, reorganized projects, focused on accelerating development, etc.
- Designed and coded the framework, a service provider component used throughout the application.

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**Platform** : Tomcat, WebLogic, Oracle.

**Tools** : JBuilder, Ant, Jikes, Visual Source Safe/WinCVS, Together, Rose, Toad, P6Spy, Struts, Log4J, Velocity, EJGen, JUnit, JMeter.

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## Amadeus (via GFI Informatique)

Sophia Antipolis, France

December 2000 to October 2001

### Software Engineer

Significantly contributed to the conception and the integration of a new reservation module for Tour Operators to the Amadeus J2EE booking platform.

- Studied API and tools needed to retrieve and manage products from Tour Operators.
- Evaluated several solutions (COM, JNI, XML, ...) to connect to the third-party distributing system.
- Designed in UML the module's architecture using design patterns.
- Implemented several use cases, from presentation to business layer.
- Developed a website to centralize all the data useful to the team.
- Participated in technological discussions regarding the forthcoming application reengineering.

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**Platform** : IPlanet Web Server, WebLogic, SQL Server.

**Tools** : JBuilder, Ant, Visual Source Safe, Rose, Dreamweaver, JDom, GNU Regular Expressions, Xerces.

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## Modem Media

San Francisco, USA

May to September 2000

### Application Engineer

Participated in the design and the development of 3 action sports websites within an engineering team focusing on the latest technologies and processes.

- Refined business requirements as part of an ongoing change control process.
- Modeled and reviewed use cases of several system components.
- Conducted a comparative study of about fifteen search engines and identified the best candidate.
- Involved in the definition of a collection of services common to the three websites.
- Designed and developed the classified advertisements module.

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**Platform** : WebLogic, Teamsite, SQL Server.

**Tools** : Visual Café, WinCVS, Rose, Dreamweaver.

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## *references*

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References available upon request.