

Christophe Andrey

M.Sc. Computer Science, EPFL



Java Software Architect

Born 2/2/1976 | Swiss national | single

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Objectives

Design and develop software applying state-of-the-art technologies.
Advise clients and coach coworkers in their software engineering efforts.

Why hire me ?

- Strong **analytical** skills → I solve problems efficiently, I optimize relentlessly my activities and I grab the “big picture” fast.
- 11 years Java** experience → I possess extensive know-how based on solid theoretical knowledge.
- Consulting** mindset → I pay attention to organizational and personal needs behind technical issues.
- Excellent **writing** skills → I write both documents and code with the same passion for quality.
- Intercultural** experience → I easily integrate myself into a team, even the most heterogeneous one.

Technical Skills

Expertise in	Software architectures, IT consulting, agile practices, Java EE
Experience in	Web technologies, service-oriented architecture, software build processes, database design and development, extreme programming, unit testing, rapid prototyping, system support
Java	11 years, since 1997. Developed batches, servlets, JSP pages, Enterprise Java Beans, applets, GUIs based on Swing and GWT, and stand-alone applications Sun Java 2 Certified Programmer (2001) Sun Java Certified Enterprise Architect – part 1 (2007)
Salesforce	2 months in 2011 Certified Administrator and Force.com Developer – Winter’12 edition
Frameworks	Spring 2.0, Java Server Faces 1.2, Hibernate 3.2, EJB 3, Struts 1.2, Struts Test Case 2.1, Google Window Toolkit 1.5, Eclipse RCP
Applic. servers	JBoss 4, BEA Weblogic 6, Apache Tomcat 6, Websphere 6.1
Tools	Eclipse 3.5, RAD 7, Ant 1.7, Maven 4, MS Source Safe, Clear Case, CVS, Subversion
Databases	Oracle, MS SQL Server 2000, MySql 5
SQL	2 years in 2000-2002, on MS SQL Server 6.5 and 2000. Developed stored procedures implementing financial functions on a database of stock exchange data. 8 months in 2003 and 2009-2010 on Oracle
Visual Basic	1 year in 2001. Implemented an Excel front-end to a MS SQL Server, for financial functions.
Other languages	XHTML, PHP, JavaScript, JSP, XML, BeanShell
Methods	RUP, UML
Platforms	Linux Ubuntu, Windows XP and Vista, Sun Solaris, Mac OS X

Work experience

June 11 - Jan. 12 Sabbatical: traveling, certifications, learning Spanish

Nov. 10 - May 11 Capgemini - *Zurich*

Consultant technical architecture

- Specified a data warehouse adapter for Postfinance.
- Gathered the requirements, prototyped and configured a Salesforce application for managing the sales pipeline in a branch of an automobile insurer. Delivered it as Software-as-a-Service (Saas) in the cloud. Trained twelve users.

Apr. 09 - Feb. 11 Capgemini for CSS Insurance - *Lucerne*

Technical architect and Java EE developer

- Designed, implemented and maintained GWT-GUIs integrated in a Siebel portal for managing contracts, as well as batches for calculating and printing commissions for brokers.
- Designed and implemented the architecture of a rule engine for calculating insurance offers, integrating it over six corporate divisions.
- Unified and completed technical documentation about contract management.
- Provided 3rd level support of the core system managing contracts, products and commissions.
- Coordinated emergency responses to production problems.
- Coached new hires in the development and support teams.

June 08 - Mar. 09 Capgemini sd&m - *Zurich*

Consultant technical architecture

- Conducted an architectural audit of a real estate platform written in .NET.
- Wrote bids (incl. raw architecture, effort estimates and presentations) pertaining to software re-engineering, application management, development off-shoring and staffing for companies in finance, logistics or real estate.
- Designed an automatic data entry system as an ETL process integrated in an SOA, for a company providing financial data.

Jan. 08 - Mar. 08 Erasmus Student Network - *Zurich, Besançon*

Chair of the Annual General Meeting

- Prepared and moderated a conference of 450 delegates from all over Europe.

May 07 - Nov. 07 Freelance for UBS - *Zurich*

Java Developer

- Designed and developed interactive applications automating manual processes in a web portal using Swing.

Jan. 05 - Mar. 07 Freelance for Steria - *Zurich*

J2EE Developer

- Specified and developed the web interface of a distributed monitoring system for highway tunnels, using Struts and Tiles.
- Built an automated unit test infrastructure based on Struts Test Case and HtmlUnit.
- Wrote EJBs deployed on JBoss 4.

Sep. 03 - Dec. 04 Sabbatical: economics courses, traveling, community involvement

Apr. 02 - Aug. 03 Logica for Credit Suisse First Boston - *Zurich*

J2EE Developer

- Designed, developed and supported an e-Banking portal, using J2EE in a highly secured environment.
- Automated the build and release processes of the various components of the portal, using Jakarta Ant.
- Gathered the requirements for an online payment system and specified it, bringing together all involved stakeholders, from support to sponsors and from payment troubleshooters to Corba service providers.
- Closely cooperated with the various staff and departments inside the client's organization, in the course of a Unix support project.
- Implemented Enterprise Java Beans and servlets using IBM Visual Age, Borland JBuilder, and Eclipse.
- Ensured the platform's continuous operation during several months of its launching phase by providing the operations team with round-the-clock technical support.

Nov. 99 - Mar. 02 Logica for BT&T Asset Management - *Zurich*

Consultant and Developer

- Developed an Intranet application for financial analysis and data management, using ASP, Java applets and servlets, in a team of four during one year.
- Responsible for the design, implementation, rollout and maintenance of an automated data feed from Bloomberg into a legacy SQL Server database.
- Conducted and presented studies on documentation management, server performance optimization and database scalability.

Oct. 98 - Mar. 99 Freie Universität Berlin

Diploma Thesis

- Contributed to the development of JacORB, a Java-based implementation of CORBA.
- Developed the authentication part of the security service by using certificates based on a public key infrastructure (SPKI).

Aug. 98 Elca - *Lausanne*

IT-Security Intern

- Conducted an audit of the external internet security of the company.

July 97 - Oct. 97 UPMC - *Pittsburgh, PA*

System Administrator

- Maintained a 15-node Windows NT network and trained its twelve users.
- Chose software and hardware to purchase, installed it and troubleshot it.

Education

2003 - 2004	University of Zurich	Economics courses
1994 - 1999	Swiss Federal Institute of Technology (EPFL)	Master's degree in Computer Science
1998 - 1999	Freie Universität Berlin	Diploma thesis
1996 - 1997	Carnegie Mellon University (USA)	Exchange year

Languages

French	native
English, German	fluent
Swiss German	good
Spanish	basic conversation

Teaching Experience

Summer 2004	Private - <i>Zurich</i> French Teacher - Gave beginner classes in French.
1998	EPFL - <i>Lausanne</i> Teaching Assistant - Taught basic programming to a class of 25 students.

Community Involvement

Nov. 03 - Apr. 10	Erasmus Student Network Europe-wide organization helping the personal, cultural and social integration of exchange students. - Organized cultural and social events. - Mentored foreign students and coached new members. - Managed legal, motivational and communication aspects of a crisis in the European network in 2009.
Nov. 03 - Mar. 08	Toastmasters International organization dedicated to developing the communication and leadership skills of its members - Co-founded one club and recruited new members.
Jan. 04 - Dec. 04	Students' Parliament An elected representation of the 23,000 students of the University of Zurich - Contributed to the formulation of non-smoking guidelines, which subsequently gained wide public acceptance in university buildings.

References

"Mr. Andrey took the initiative and constantly strove to improve the quality of our company's deliverables and the efficiency of its work. " — W. Lohrer, former country manager, Logica

More references on request.