

Marco Ferretti

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PROFILE

I am a self-employed analysis and data organization professional, mainly working in Java, with ten plus years of experience and success in different working environments. I have experience in building both back-end (organizing and creating databases) and front-end (creating CRUD interfaces on and off the web) data flow. Previously, I have worked on projects based on Oracle, Informix, Sybase, Firebird, Interbase, Mysql and Postgresql databases, both in private companies and the public sector. I am a career freelancer aside from a short period in which I worked for Zucchetti Centro Sistemi S.p.a.

I am currently working at the Institute for Environment and Sustainability at JRC; my role involves code review, quality assurance, and the implementation of new Java software requirements.

EXPERIENCE

Senior Java Developer, Joint Research Center; Ispra, Italy 2010-Present

I am currently working at the Institute for Environment and Sustainability at JRC; my role involves code review, quality assurance, and the implementation of new Java software requirements

Senior J2EE Architect, Readytec; Florence, Italy May 2009 - December 2009

My duties were to analyze the current software LCM and the quality system, find the problems and establish a new quality system for software development, a new software LCM introduce modern software frameworks (JSF, Hibernate, JUnit) and modern software design pattern

Senior J2EE Developer, Elsas Datamat; Florence, Italy October 2008 - May 2009

While working for Elsas Datamat, I participated three projects : a GIS based web application, a GIS integration with Liferay and a Web Document Management System project. During this period worked on an application for generating dynamic forms, participated the functional requirements analysis, worked on the integration of Icefaces & Openlayers to produce a ready-to-use Java bean. I also created some Quality Test of custom tag libraries, a stress test software for a custom map server, assembled a Quality Assurance Unit and participated in the configuration and fine tuning of JBoss server

Senior Application Support Analyst, Eli Lilly; Sesto Fno, Italy October 2006 - May 2009

During the period I have worked for Eli Lilly & Co, I was responsible of supporting Italian, Spanish and British Internet web applications; among other duties I participated the architectural analysis of a global intranet application, it's UML design and, finally, I directly supported it. I was given the opportunity to participate in the analysis of various new web applications and developed several add-ons for various applications. Last, but not least, I produced Eli Lilly's QA compliant documentation

Senior Developer, Joint Research Center; Ispra, Italy June 2008 - October 2008

I was given the opportunity to independently develop a web application for risk management for the IPSC institute of the JRC. I followed all the LCM of the application, from the collection of the requirements to the production of the code and the contents the application .

J2EE Architect, Occar; Bonn, Germany November 2005 - June 2006

Under the umbrella of the "Tiger Programme" I developed proof-of-concept application for in field support, configured a Tomcat servlet container, created the UML and the Database design of the application and worked on the fine tuning and optimization of the development database

J2EE Senior Developer, Terma s.r.l; Varese, Italy January 2005 - November 2005

I coded Portlets applications in Liferay environment; I also designed a WebDAV structure for a document management Portlet application and am very proud of having designed and coded a WebDAV notification framework.

IT Manager ,Phoenix Sistemi & Automazione S.a.g.l; Muralto, Switzerland March 2004 - December 2005

I joined this startup company in Switzerland in 2004. Since the company was just born my duties were, at least at the beginning, both those of an architect and of a manager. During this period I analyzed the requirements and produced the UML and database design for a POS application and for an application for managing the employees of an hotel/restaurant and coordinated the developers team that was working on these applications

Teacher ,Eurobic Toscana Sud; Poggibonsi, Italy October 2003 - May 2005

I taught the following classes :

- fundamentals of relational databases
- fundamentals of Java
- fundamentals of Java for the WWW

Senior Java Developer, Joint Research Center; Ispra, Italy October 2002-April 2004

During this period at Joint Research Center I worked both as a junior architect and as a senior developer. My duties were, generally speaking, collection of requirement, UML design, analysis and coding; among other things, I would like to mention the following key successes I achieved :

- Real Time Application for sensors monitoring and testing
- J2SE application for Sensitivity Analysis of Inventory Difference
- Real Time application for monitoring weather stations
- Web application for presenting/downloading weather stations data
- Real Time applications for control of electric power simulation devices
- Published research on animal electronic passport based on ISO7816 technology
- Released a proof-of-concept application based on the above research using J2SE

Junior Developer, Zucchetti Centro Sistemi Spa; Terranuova Bracciolini, Italy January 2001-October 2002

I have been working for public health section of Zucchetti Centro Sistemi; during this period I have coded software for automation of purchase orders ,ERP software for hospital laboratories, designed and coded of an online booking application, had my first experience in collection of requirements and confronted UML design in a real life environment for the first time.

Junior Developer, Pirelli; Figline Valdarno, Italy February 2000-June 2002

During this period at Pirelli Steel Cord unit, I have developed a front-end application for managing the both the product and the packaging quality documentation, reports using Crystal Reports and have analyzed and optimized views and stored procedures on the company's Oracle database.

Freelance Developer, Zucchetti Centro Sistemi Spa; Terranuova Bracciolini, Italy October 1999 - February 2000

I have worked for a short period as a freelance support person for interfacing medical instruments with the company's ERP software .

Lance Corporal & Developer, Esercito Italiano; Legnago, Italy August 1998 -June 1999

During my military service I have been asked to form and supervise a team of developers that produced, among other, software for the service management of the battalion I was enrolled in and a software for the management of the vehicles that, at the end of my service, was taken as the starting point for the current standard software for vehicles management of the corp.

EDUCATION

Università degli studi di Firenze, Firenze, Italy

(Florence University of Studies)

Corso di Laurea in Informatica

(Graduate Program in Information Technology)

Courses Completed: Physics; Mathematical Analysis; Algebra; Logic; Information Technology I, II and III; Algorithms; Operative Research for Business Management; Data Information Systems I and II; Formal Programming Languages

University of Cambridge, Cambridge, UK

Local Examination Syndicate

First Certificate in English

Liceo Scientifico “Benedetto Varchi”, Montevarchi (AR), Italy

Maturita' Scientifica

Diploma from a Scientific High School

LANGUAGES

Italian : native

English : fluent

Spanish : good

French : good

SKILLS

TESTING TOOLS AND OPERATING SYSTEMS:

JUnit, IBM Rational Rose, MS Windows XP,9x/2000/NT 4.0, Linux, Unix, Solaris

PROGRAMMING LANGUAGES, FRAMEWORK AND TOOL:

Java/J2EE including Portlet , JSP, JSF, Facelet development (9 years experience); PL/SQL (8 years experience); Visual Basic, Visual Basic for Application (8 years experience); C, C++ (3 years experience); NET (C# & VB.NET) (2 year experience); Macromedia ColdFusion (2 year experience); Javascript & AJAX (4 years experience); XML & XSLFO (4 years experience); PHP (3 years experience); MIPS Assembler (2 years experience); ML, CAML, CAML light (2 years experience); CSS2 (1 year experience); Bash script (5 years experience); VB Script (3 years experience); Apache Ant (5 years experience); JDBC (9 years experience); CVS (5 years experience); SVN (2 years experience); IceFaces (1 year experience); Crystal Report (4 years experience); Maven (1 year experience); ArgoUML modeler (4 years experience); DB Designer (4 years experience); Rational Rose Suite (beginner); Microsoft Sharepoint Designer (beginner)

APPLICATION SERVERS, SERVLET CONTAINERS, PORTALS AND DATABASES:

Apache Tomcat (8 years experience); WebSphere Application Server 6.x (2 years experience); Liferay Portal (3 years experience); Jboss 4.2 (1 year experience); GlassFish (beginner); PostgreSQL (4 years experience); Oracle 7.4,8i,9i,10 (4 years experience); Informix (2 years experience); MySQL (3 years experience); Firebird (3 years experience); HSQL DB (4 years experience)