

Alberto Bolchini

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Educational history

January 2011	Microsoft® Certified Technology Specialist in SQL Server® 2008 Database Development
September 2002	LPI 101 (General Linux I) Linux Professional Institute
February 1995	B.Sc. and M.Sc. in Mathematics from Università degli Studi di Milano, Facoltà di Scienze Matematiche, Fisiche e Naturali in Milano, Italy. (Thesis title: <i>Abnormality and pronormality in Lie Groups. An analysis of the group $PSL(2,K)$, $K = GF(p')$.</i>)
June 1990	Scientific high school diploma from Galileo Galilei in Caravaggio, Italy.

Employment history

March 2000 - present	<p>Engitel S.p.A (http://www.engitel.com) — Chief Technology Officer.</p> <p>Joined the company as a Web Developer designing and implementing small size database-backed websites using Microsoft's web stack (IIS/ASP/Jscript/Microsoft SQL Server 7.0) as well as other languages and products (Cold Fusion, Spectra by Allaire).</p> <p>In 2001, designed and developed in a team of four people the first version of Engitel's CMS, Spin&Go, on Microsoft's ASP stack (IIS/ASP/JScript and Microsoft SQL Server 7.0.), later used to build a variety of content-focused websites, most notably www.zdnet.it, www.affaritaliani.it, www.motorbox.com, www.ospedalesanraffaele.org.</p> <p>In 2002-2003, worked on clients that mandated Java and developed a lightweight CMS based on XML handling multiple outputs (HTML, PDF and TEXT) using Open Source software (Apache Struts 1.0 MVC Framework, Apache Tomcat 4.0, Apache FOP, Apache Ant, PostgreSQL 8.) as well as other web applications using Apache Tomcat 5.0, IBM Web Sphere, JBoss, Oracle 9i and IBM DB2 both on SuSE Linux, IBM AIX and SUN Solaris.</p> <p>In 2004, together with another developer, ported Engitel's Spin&Go to ASP.NET 1.1 (VB.Net) and Microsoft SQL Server 2000 rebranding it Spin&Go.NET. With such version Engitel won a competitive tender issued by Virgilio (http://www.virgilio.it) to develop a tailor-made CMS to handle its content-based websites dismissing other proprietary CMS it had, such as Vignette, EMC Documentum, RedDot as well as other in-house developed LAMP-based web applications. Developed in a team of four all the missing features required by Virgilio (e.g. static content generation, content versioning, ...) and then migrated all of Virgilio's websites previously powered by other CMSs to such new version.</p> <p>In 2005 while using Spin&Go.NET on a number of projects (e.g. www.teatroallascala.org, www.viewsonvenice.com) reorganized all the in-house .NET projects to use a Continuous Integration server (CruiseControl.Net) and developed the needed tools to handle build, test and deployment using NAnt and Subversion.</p> <p>In 2006 added new features to Spin&Go.NET to support more stringent requirements both on the front-end architecture and on the editorial back-office of the homepage of Virgilio (e.g. developed a drag and drop editorial planning grid tool for the headlines scheduling), and in the following years managed a series of projects for Virgilio, focusing on data exchange, business intelligence and system integration.</p> <p>After some experiences on smaller projects using ASP.NET 4.0, in 2009 ported Spin&Go.NET to ASP.NET 4.0 and Microsoft SQL Server 2008 and begun focusing on mobile development targeting iOS devices (using Monotouch and Objective-C).</p> <p>In January 2010 became a partner of Engitel, and in January 2011 assumed the role of Chief Technology Officer managing Engitel's software development team (fourteen people).</p>
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November 1996 - March 2000	Italtel Sistemi S.p.A. – Software Analyst in the Engeneering Business Unit. Designed and implemented desktop applications to inventory GSM network installation and configuration data. We targeted both Windows 3.11 (16-bit) and Windows 95 (32-bit) using Visual Basic 4.0 and both Access 2.0 and Access 7.0. Designed and implemented coordinating a small team of developers a client/server document management system using Microsoft Visual C on Windows NT and Oracle 7 on OpenVMS.
May 1995 - September 1995	CEFRIEL (http://www.cefriel.it) – Consultancy c/o Italtel S.p.A., Instruments and Methodologies R&D Laboratory. Migrated parts of an application aimed at the testability and controllability of integrated circuits design from Common Lisp to ANSI C as for to enhance the overall performance of the application.
February 1995 - May 1995	ANCMA (http://www.ancma.it) – Consultancy to develop a stand-alone ANSI C application on MS-DOS PC for statistical analysis of motorbike registrations collectioning data from the Italian Minister of Transportation.

Professional memberships

since February 2007	Member of <u>Association for Computing Machinery</u>
since September 2006	Reviewer for <u>Computing Reviews</u>

Technical skills summary

Programming languages	Currently using Visual Basic .NET, C#, C, Javascript, Microsoft T-SQL, Objective-C, Python; previously used Java, Oracle PL/SQL, PL/PGSQL.
Technologies	Currently using XML, XSL (XSLT, XPath, XSL-FO), HTML (4.0.1, 5), XHTML 1.1, CSS (2, 3), LINQ, LINQ to SQL, LINQ to Entities, ADO.NET Entity Framework, NAnt; previously used JSP, Ant, RDF.
System administration	Currently using Microsoft IIS 7.x, Microsoft SQL Server 2008, Subversion, CruiseControl.Net, Git; previously used Apache 2.0, Apache Tomcat 4.0, CVS.
Database design	Currentlty using Microsoft SQL Server 2008, Sqlite; previously used Oracle 7.3, 8i, 9i, IBM DB2, PostgreSQL.
Operating systems	Currently developing on Windows and Mac OS X; previously developed on Linux (Debian, SuSE/Novell), Sun Solaris 8 and IBM AIX.

Miscellanea

Languages: Italian native speaker, fluent in English.

Military service: October 1995-October 1996 – Corporal of Italian alpine troops.

Other occupations, hobbies: family, bicycle touring, beekeeping, gypsy jazz.

References

Roberto Balossini
Team Manager at Microsys
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Relationship: past manager at Italtel Sistemi