Curriculum vitae

PERSONAL INFORMATION

Gianluca Costa

📍 Bologna (Italy)

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🌐 http://gianlucacosta.info/ https://twitter.com/giancosta86/

Sex Male | Date of birth 29/04/1986 | Nationality Italian

PREFERRED JOB

Software architect / developer

WORK EXPERIENCE

06/2013–06/2014 · Senior developer

Yoox, Gruppo Euris

Main technologies: C#, Castle Windsor, MongoDB, Solr, Microsoft SQL Server, NUnit, TeamCity.

I mainly worked on the *model* layer of a few .NET-based software stacks - in particular, *web APIs and services* exposing business logic to other teams.

Passionate about agile development, I also devoted time to holding brown-bag seminars and code katas.

10/2012–02/2013 · Java and web architect/developer

Sitech Sistemi Informatici Srl

Main technologies: Java, J2EE, JSP, EJB, MyBatis, J2EE web services, NetBeans, Eclipse, Maven, Hudson.

My project consisted of *two main phases*:

--*creation of a Java security framework* focused on permissions

--*refactoring of an existing architecture* so as to plug the new security framework into its kernel, with development of a *portal* collecting different web applications sharing the security mechanisms

In the process, I introduced new build methodologies within my company, especially *Maven 3* and *Hudson 3*, in order to dramatically increase the robustness of the overall infrastructure and to ease component *modularization*.

03/2012–10/2012 · Java and web architect/developer

CSE - Consorzio Servizi Bancari, Sitech Sistemi Informatici Srl

Main technologies: Java, JSP, JavaScript.

Activities:

--*refactoring of the Java/JSP kernel* of the web applications making up the *marketing* suite, in order to create the bases for the introduction of *a new shared API*

--*writing a JavaScript layer* replacing the existing inter-app communication system

--achievement of *far better app performances* as well as *seamless integration* between the apps, within a unified GUI context.

01/2012–03/2012 · Java and web architect/developer

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Main technologies: JSP, JavaScript, CSS.

I contributed to the development and refactoring of a few *Java web applications*, mainly using JSP.

12/2009–01/2012	**.NET and web architect/developer**

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Main technologies: C# (3, 4), ASP.NET MVC 2, Fluent NHibernate, WCF web services, Silverlight 4, SQL Server, Oracle 10g.

Activities: development; mentoring new colleagues on C# and OOP.

02/2004–11/2004	**Delphi architect/developer**

Liceo Scientifico "Enrico Fermi", Bologna (Italy)

Main technologies: Delphi 4, Borland Database Engine, SQL

As the headmistress of my high school needed a tool to easily monitor the school progress of the students, I created *Scrutinium*, a Windows-based application that performed a detailed, aggregated analysis over the school's database.

EDUCATION AND TRAINING

09/2014–Present	**Master's degree - Computer Engineering**	EQF level 7

Alma Mater Studiorum, Bologna (Italy)

09/2005–07/2009	**Bachelor's degree - Computer Engineering (110/110 with honours)**	EQF level 6

Alma Mater Studiorum, Bologna (Italy)

09/2000–07/2005	**Diploma di maturità scientifica (100/100)**	EQF level 4

Liceo Scientifico "Enrico Fermi", Bologna (Italy)

French, English, Information Technology.

PERSONAL SKILLS

Mother tongue(s)   Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C1	C1	C1	C1	C1
Cambridge BEC Higher Cambridge CAE				
French				
C1	C1	C1	C1	C1
Diplôme Approfondi de Langue Française (DALF) C1				

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills   I am sociable and enjoy working in a team, as well as organizing my work autonomously.

In my opinion, IT is not only a science, but also *an art*, therefore I believe that a workplace should be *innovative* and *agile*, fostering *communication*, *creativity* and *research* - without sacrificing conceptual rigour - in lieu of rigid schematisms.

Computer skills   I began developing in 1998 and, since then, I've always studied *languages* and *architectures* with passion and interest.

I'm proficient in creating systems with Java, Python and C#, but I'm also good at HTML 5, CSS, JavaScript, C and SQL.

In my life I have also employed other *programming languages* and *frameworks*: Delphi 1 to 4, Visual Basic 6, Ruby, C++, Bash, Go, Silverlight, Swing, JavaFX 2 and a few more, so I have a fairly good point of view when it comes to choosing a technology over another.

Among *database systems*, I have experience with PostgreSQL, Oracle 10g and SQL Server; I have also worked with MongoDB, on which I got online certifications.

I'm quite interested in *virtualization* - especially Docker, as well as elegant *build systems* like Gradle and Maven.

As for the *operating systems*, I daily employ both Windows and Linux.

Other skills	I'm definitely keen on linguistics, and I'm especially interested in phonetics and morphology, mainly applied to French and English; I dedicate at least half an hour a day to studying languages.

I am fond of music - I have a particular knowledge of opera and classical music, but I also enjoy modern genres.

Finally, I adore reading poetry - and from time to time I compose poems; my e-book is now available on GitHub: https://github.com/giancosta86/Arcadia

Driving licence   B

ADDITIONAL INFORMATION

Description   For a full description, please visit my introduction at http://gianlucacosta.info/about.html

Projects   My open source projects are hosted on GitHub:
https://github.com/giancosta86

The related Gradle/Maven repository is on Bintray:
https://bintray.com/giancosta86/Hephaestus

Presentations   My public presentations are available on SlideShare:

http://www.slideshare.net/giancosta86

Publications
- G. Costa, C. D'Ambrosio and S. Martello. **GraphsJ 3: A modern didactic application for graph algorithms**. *Journal of Computer Science*, 10:1115-1119, 2014
- Geertjan Wielenga. Interview: PMD Code Analyzer for NetBeans IDE. *DZone*, 2014
- G. Costa, C. D'Ambrosio, and S. Martello. **A free educational Java framework for graph algorithms**. *Journal of Computer Science*, 6:87-91, 2010

Memberships   Member of *Alliance Française de Bologne*.

Honours and awards   2003: 6th prize in Latin competition promoted by *Rubiconia Accademia dei Filopatridi*.

Interests   Reading, linguistics, biking, music, theatre, poetry.