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Curriculum vitae

PERSONAL INFORMATION

Gianluca Costa

Bologna (Italy)

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http://gianlucacosta.info/

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PREFERRED JOB

Senior software developer / architect / researcher

EDUCATION AND TRAINING

2014–2016

Master's Degree - Computer Engineering

EQF level 7

Università di Bologna, Bologna (Italy)

Award dedicated to the 30 most brilliant Engineering students in Bologna - 2016.

Master's Degree software project: http://gianlucacosta.info/TwoBinPack

110/110 with honors.

2005–2009

Bachelor's Degree - Computer Engineering

EQF level 6

Università di Bologna, Bologna (Italy)

Bachelor's Degree software project (now in Scala): http://gianlucacosta.info/GraphsJ

110/110 with honors.

WORK EXPERIENCE

06/2013–06/2014

Senior developer

Gruppo Euris, Bologna (Italy)

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

In the context of YOOX, 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, Bologna (Italy)

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 focusing 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**

Sitech Sistemi Informatici Srl, Bologna (Italy)

In the context of the client - CSE. **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**

Sitech Sistemi Informatici Srl, Bologna (Italy)

Main technologies employed: JSP, JavaScript, CSS.

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

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

Sitech Sistemi Informatici Srl, Bologna (Italy)

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

Activities:

- ASP.NET MVC 2, SQL and Silverlight 4 development
- mentoring new colleagues in C# and OOP

02/2004–11/2004	**Scrutinium - a data mining application in Delphi**

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 data mining application for Windows, which performed a detailed, aggregated analysis over the school's database.

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 CAE, Cambridge BEC Higher				
French				
C1	C1	C1	C1	C1
DALF C1				
German				
B1	B1	B1	B1	B1
Goethe Zertifikat B1				

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   ■ Experience in studying languages and **linguistics**.

- C1 certificates in English and French, B1 in German.
- Elements of Chinese, Dutch, Spanish.

Job-related skills

Main technologies now: Java (including Java 8), Scala, Hibernate, Java EE, Spring, REST, Jekyll, Git, Gradle, JavaFX, Linux. Some experience with frontend technologies - HTML 5, CSS 3, React, Bootstrap – and Android development. Some experience with virtualization - especially VirtualBox and Docker (https://www.slideshare.net/giancosta86/introduction-to-docker-43302266).

Experience in **mentoring junior colleagues** and **brown-bag sessions**.

I started creating software in 1999, far before going to University and working; for details on my experience, please visit my interactive timeline: http://gianlucacosta.info/timeline

For further information about me, please visit my personal introduction at: http://gianlucacosta.info/introduction

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Other skills

- Amateur pianist and ukulele player
- Amateur poet, especially in XIX-century Italian

ADDITIONAL INFORMATION

Honours and awards

- 2016: prize dedicated to the **30 most brilliant Engineering students** at Università di Bologna
- 2014: **Interview - PMD Code Analyzer for NetBeans IDE** (https://dzone.com/articles/nb-easypmd4-1)
- 2003: **Prize in Latin competition** held by Rubiconia Accademia dei Filopatridi

Presentations

My presentations - for example, related to brown-bag sessions at work - are freely available on SlideShare: https://www.slideshare.net/giancosta86

Publications

- **Training software for orthogonal packing problems** (2017) - http://www.sciencedirect.com/science/article/pii/S0360835217302887
- **Interview: PMD Code Analyzer for NetBeans IDE** (2014) - http://netbeans.dzone.com/articles/nb-easypmd4-1
- **GraphsJ 3: A modern didactic application for graph algorithms** (2014) - http://thescipub.com/abstract/10.3844/jcssp.2014.1115.1119
- **A free educational Java framework for graph algorithms** (2009) - http://thescipub.com/abstract/10.3844/jcssp.2010.87.91

Projects

GitHub portfolio (60+ open source projects): https://github.com/giancosta86

Android apps on Google Play: https://play.google.com/store/apps/developer?id=Gianluca%20Costa