

PERSONAL INFORMATION

Gianluca Costa



-  Bologna (Italy)
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PREFERRED JOB

Senior software developer / Data scientist / Researcher

WORK EXPERIENCE

05/2018–11/2018

Senior full-stack developer

Dedalus S.p.A, Bologna (Italy)

- **Java Backend Development:** Java, Java EE, EJB, REST web services
- **Frontend Development:** AngularJS, Lodash, npm, yarn, CSS 3
- **Infrastructure:** Docker, Jenkins CI, Git, Ant, Ivy, SSH, VPN, Linux

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, 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

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: <https://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): <https://gianlucacosta.info/GraphsJ>
110/110 with honors.

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign 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**; in particular, please visit **Project Elysium** (<https://github.com/giancosta86/Elysium>) and **Project Asgard** (<https://github.com/giancosta86/Asgard>)
- C1 certificates in English and French, B1 in German.
- Elements of Chinese, Dutch, Spanish.

Organisational / managerial skills

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

Job-related skills

Main technologies now: Java (8, with elements of Java 9+), Scala, C# 6, Hibernate, Java EE, REST, Git, Gradle, Linux. Non-trivial experience with web technologies - HTML 5, CSS 3, ES 6, AngularJS, Lodash – and web-based Android development (Chrome progressive web apps, Cordova). Some experience with virtualization - especially VirtualBox, Docker and elements of Kubernetes.

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

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

Other skills

- Amateur pianist, ukulele player and glockenspiel player. My performances are available on [my YouTube channel](#)
- 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 Speaker Deck: <https://speakerdeck.com/giancosta86>

In particular:

- [Introduction to Cloud Computing and AWS](#)
- [Introduction to AWS Lambda with Python](#)
- [Introduction to Machine Learning](#)
- [Introduction to Docker](#)
- [Introduction to Erlang](#)

Publications

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

Projects

GitHub portfolio: <https://github.com/giancosta86>

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