


## PERSONAL INFORMATION

## Gianluca Costa



 Bologna (Italy)

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## PREFERRED JOB

Senior software developer / architect / researcher

## WORK EXPERIENCE

05/2018–Present

## Senior full-stack developer

Dedalus S.p.A, Bologna (Italy)

Full-stack development in the healthcare industry.

- **Java Backend Development:** Java 7, Java EE 7, EJB, REST web services
- **Frontend Development:** AngularJS, Lodash, npm, yarn, CSS 3
- **Infrastructure:** Docker, Kubernetes, Jenkins CI, Ant, Ivy, 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

#### 05/2018–Present Senior Java developer

Dedalus S.p.A, Bologna (Italy)

### 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.

### 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 (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.

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

For further information about me, please visit my personal introduction at: <http://gianluccosta.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) - <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:** <https://github.com/giancosta86>

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