# europass

Curriculum vitae

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| **PERSONAL INFORMATION** | ## Gianluca Costa |

📍 Bologna (Italy)

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🌐 https://gianlucacosta.info/

💬 Skype giancosta86 | Twitter giancosta86

**PREFERRED JOB**    Senior software developer / Data scientist / Researcher

**WORK EXPERIENCE**

**05/2018–Present**    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** |
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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** |
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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 |
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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 |
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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.

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| 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