Gianluca Costa

Elegance always matters

Location: Bologna(Italy) - Full Remote   **Website:** gianlucacosta.info   **Main languages**

Italiano (Native)
Français (C1)
English (C1)
Español (~B2)

Significant open source projects

JardineroJS: *full-stack architecture* for *linguistic analysis*, written in **TypeScript** for **NodeJS** and orchestrating **12 NPM projects**, with focus on:
- **hyper-efficient**, *general-purpose* NodeJS **streams**
- **multi-threading**, via *encapsulated* NodeJS **workers**
- **messaging** protocol between the **reusable frontend** and any backend - leveraging **web sockets**
- **Jest coverage** - mostly **over 90%**

OmniCourse: **React** *interactive chart library* written in **TypeScript** - including **parallelism** via **web workers**

Jardinero: the original full-stack, *hybrid* architecture in **Python** + **TypeScript**. Introduced on **SpeakerDeck**

Preferred technologies

TypeScript - from *backend* to *frontend* - with strong preference for **React**, advanced **Node.js**, and **GraphQL**

C# 9+ on .NET 5 or later

Python 3, when combined with *type hints*

NoSQL - *MongoDB*, elements of *Redis* and *DynamoDB*

SQL - mainly *PostgreSQL, SQL Server, MySQL, SQLite*

Docker, with some knowledge of *Kubernetes*

Areas of interest

Software architecture: fond of *the whole tech stack*, especially in the context of *modern* projects

Research & Development - particularly in *model simplification* and *performance optimization*

Continuous integration - solid experience with *build tools* and *CI/CD pipelines*, including *hybrid* tech stacks

Advocate of code clarity and **concept minimalism**

Mentoring, while *continuously learning*

DevOps & Cloud design (but not open to on-call duty)

Test design - from *unit tests* to *browser automation*, often coordinated by **BDD** via *Gherkin*

Data Science - despite my still limited knowledge in this domain, I'm always eager to explore it more

Agile processes: informal, *friendly* **creativity** with *passion* for **quality**, while retaining *work-life balance*

100%-remote positions *only* - with no mandatory travel

For a detailed description of my experience and projects, please visit my **LinkedIn profile**

Latest update: *2022-09-07*

Science

Passionate **software craftsman** since 1999, when I was **12** years old; seeker of *reusable*, cross-tech **patterns**

More than **7 years of experience** with IT companies

MSc and **BSc** in **Computer Engineering** - *110 cum laude*

Awarded as one of the *30 best Engineering students* in Bologna, in 2016

~100 open source projects on GitHub (**@giancosta86**), in a variety of technologies - especially *TypeScript, React, Sass, Elm, Python, Scala, Java*, and *Go* - but also with some *Prolog, Erlang*, and more

NPM packages: **@giancosta86**

Python packages: **giancosta86** on **PyPI**

Linux user since 2004, but also **Windows** user

Tech slides on *SpeakerDeck*: **@giancosta86**

Humanism

Curious **learner**, passionate **teacher**

C1 certificates in *English* (CAE, BEC Higher)

C1 certificate in *French* (DALF)

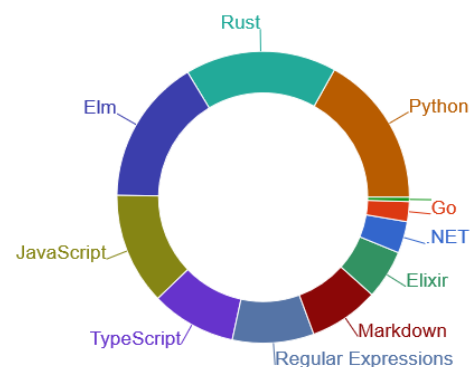Constantly exploring **Linguistics** and *new languages*

Proactive **team player**, focused on fostering **interactions** in *remote teams* with **creativity**

Fond of **Philosophy** as a way to explore oneself and the cosmos - while honing the fine art of *thinking*

Proudly supporting **human rights** and **equality**

Award in a national **Latin** translation contest in 2003

Total time for «Ecosystems»: 620 hours, 32 minutes

This chart is a screenshot of the interactive learning report available on my website and rendered by OmniCourse