

# Gianluca Costa

*Elegance always matters*

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

Location: Bologna(Italy) - Full Remote

Website: [gianlucacosta.info](https://gianlucacosta.info)

Main languages

## Most 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](#)

**Solvenius**: game written in purely functional style with **Elm** and packaged as a progressive web app

## 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 more details, 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)

**C1** certificate in *Spanish* (SIELE)

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

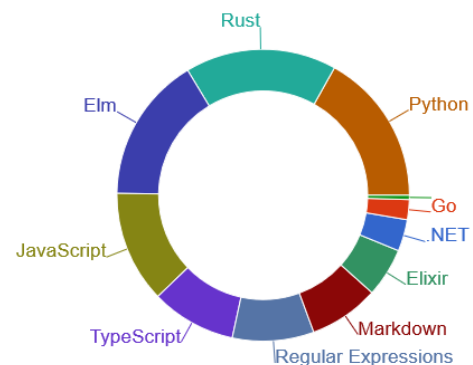
Proactive **team player**, focused on fostering **interactions** in remote teams with **creativity**

Fond of **Philosophy** - the fine art of *thinking*

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

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

2021 / 2022 Science Information Technology Ecosystems



★ Python ★ Rust ★ Elm ★ JavaScript ★ TypeScript  
★ Regular Expressions ★ Markdown ★ Elixir ★ .NET ★ Go ★ Ruby

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](#)