# **Gianluca Costa**

Elegance always matters

Location: Bologna(Italy) - Full Remote

Website: gianlucacosta.info

Main languages

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

### 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 . 1

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: <a href="mailto:ogiancosta86">ogiancosta86</a>

Python packages: giancosta86 on PyPI

Linux user since 2004, but also Windows user

Tech slides on SpeakerDeck: <a href="mailto:ogiancosta86">ogiancosta86</a>

#### Humanism

Curious learner, passionate teacher

C1 certificates in English (CAE, BEC Higher)

C1 certificate in French (DALF)

C1 certificate in Spanish (SIELE)

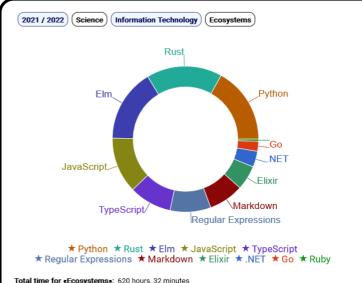
Constantly exploring **Linguistics** and *new languages* 

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



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