

# MARCO GALLO

## Software Engineer

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I am a Full-Stack developer with 12 years of experience, working mainly with TypeScript, React and NodeJS. Outside of my regular job, I like to study new technologies and approaches to software development, and I'm working with Elixir on some open source and hobby projects. In my spare time, I enjoy programming electronic music with my synths, creating generative art with Processing and playing my electric guitar.

### /EXPERIENCE

#### Treatwell

Milan / London / Remote  
Oct 2021 - Present

#### Senior Frontend Developer

I am part of the SaaS POS Team, which is responsible for the development and design of checkout/fiscality related sections of the Treatwell Pro SaaS application.

We're an Agile Team, specialized in country fiscal certifications, payments and POS hardware integrations (printers, barcode scanners etc.)

We also focus on application architecture with other teams, to design cross domain solutions.

Our tech stack is based mainly on NodeJS for webserver and tooling, and React with Typescript for the client app side.

- improvement of existing code structure, design and quality of the product
- implementation of native plugins for mobile app wrappers
- support EM and PM in backlog refinement and tech backlog
- development of automation testing framework (based on Cypress)
- microfrontend architecture design (using module federation)

#### FacilityLive

Pavia / Italy  
Oct 2016 - Oct 2021

#### Senior Frontend Developer / Web Architect

I was part of the Frontend Architecture Team, which was responsible of designing the architecture of FL frontend applications, and their interactions with all the platform's microservices.

Our tech stack was based mainly on NodeJS for webserver and tooling, and React for the client app side.

- development and maintenance of a frontend framework composed by 350+ npm modules
- design and development of core parts of our application interface builder
- brainstorming and architecture design for new features requirements
- development of automation testing framework (based on TestCafè)

#### Spindox

Milan - Turin / Italy  
Feb 2013 - Oct 2016

#### Lead Developer / Architect

I was one of the team leaders of the "Digital Solutions" business unit. Our focus was mainly on developing web and mobile apps for several firms, and providing them consultancy on technical solutions. During my job at Spindox I worked with many technologies, starting from Ruby (with Rails and Sinatra frameworks) to NodeJS and different JS/TS frameworks. One of the aims of our team was to

provide the architecture for the different solutions developed by the other teams in Spindox.

- design and development of BE / Middleware solutions using NodeJS, Ruby, Vert.x, Docker, NATS
- data modeling and db design of rdbms db (Postgres, Oracle) and NoSQL (Couchbase, MongoDB)
- development of mobile applications (using Apache Cordova, Xamarin)
- IT consultancy for several customers as Ferrari, Reale Mutua, Ferrero, FCA, UNHCR, Valentino.
- coaching and technical management: I did a coaching activity at Spindox North Africa HQ in Tunis
- cloud (AWS / Digital Ocean / Azure), pipeline management (Jenkins / Bamboo)
- development of data-driven applications, using React, Vue, MithrilJS, Angular, D3, SVG, Three.js

## VideoPR

Pavia / Italy  
Mar 2012 - Feb 2013

## Full-Stack Developer

I worked as a full-stack developer for the Lulop DAM (Digital Assets Manager) platform, and related brand websites.

- development and maintenance of the Lulop DAM platform (based on PHP Symfony 2.0 framework)
- concept and development of dedicated solutions for automotive and luxury brands (Ferrari, BMW, Citroen, Pirelli, Yamaha)
- sysadmin and infrastructure design

## Eleva

Pavia / Italy  
Feb 2011 - Mar 2013

## Full-Stack Developer / Web Designer

I worked in Eleva as a full stack developer and web designer for some small/medium-companies websites and e-commerce.

- development and maintenance of the proprietary EasyWeb CMS platform
- e-commerce solutions development in ASP, PHP and Ruby, integration with payment systems as Stripe / PayPal

## /OPEN SOURCE

### OpenAI.ex

OpenAI.ex is a project that I started in 2020 to learn the Elixir programming language, and the OpenAI platform. It quickly became the most widely used OpenAI elixir wrapper, with more than 66k downloads on [Hex.pm](#), and 200+ stars on [Github](#).

## /EDUCATION

### University Of Pavia

Pavia / Italy  
2017 - 2011

## Degree in Digital Communication

Final degree project : "Nuove tecnologie di sviluppo per applicazioni web cross-device. Studi di progettazione e analisi di casi concreti", an academic study on new web-design techniques used to build cross-device applications for Smartphone / Tablet / Desktop / SmartTV. My project was made in collaboration with Eleva which allowed me to develop the mobile version of 7 Pixel's [Trova Prezzi](#) platform.

## /SKILLS

### Tech skills

**Frontend Development:** React, Redux, Vue, Angular, Mithril, Elm, Svelte, Next.JS, Sapper

**Mobile Development:** Flutter, Cordova, Xamarin

**Backend Development:** NodeJS (Express, Restify, Hapi, Polka), Ruby (Rails, Sinatra, Rack), Elixir (Phoenix)

**Build tools / Bundlers:** Webpack, Rollup, Parcel, ES Build.

**VCS:** GIT, Mercurial

**Software testing** Cypress, React Testing Library, AVA, Jest, RSpec, Cucumber, Testcafé, Selenium.

**DBs:** PostgreSQL, Couchbase, Redis, MongoDB, MySQL

**Web Services interface:** GraphQL, REST

**Cloud services:** AWS, Azure, Digital Ocean

**Infrastructure management:** Docker, Kubernetes

**Methodologies:** Scrum, Nexus

## Language Skills

**Italian:** Native

**English:** Advanced

**Spanish:** Basic

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