

# LORENZO BREDA

Full-Stack Developer, software designer

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## SOMETHING ABOUT ME

I'm a full-stack developer in a php-based environment. My daily job is designing and realizing applications using php, HTML5 and the modern JavaScript frameworks. I also like configuring Linux-based systems, and I'm familiar with other stacks and programming environments. I often wrote C software for embedded systems, and my first experiences with NodeJS were on personal projects. I'm very curious, and I like to solve problems and issues with creativity.

## EXPERIENCE

Developer / Applications management

**Governorate ISP Service**

June 2023 - Ongoing    Vatican City State

- Management of the running applications served by the Vatican ISP.
- Management (DNS infrastructure, registrar) of the .va ccTLD.
- Web-based system development for the Vatican City State Governatorate online services.
- System configuration (Ansible) of the service providing infrastructure.
- Occasional intervention on the systems (Ubuntu, RedHat, network infrastructure).

Full stack web developer, PM

**TwoBeeSolution S.r.l.**

December 2015 - May 2023    Via Pietro Bembo 36a, 00168 Rome

- Designed and developed a collection softwares for rapid transit lines construction and management. The softwares are used for subways all over the world (Rome, Milan, Naples, Copenhagen, Aarhus, Riyadh, Thessaloniki, Lima, Oslo).
- Designed and directed the development of a management system for professional orders and associations. The software interfaces with various Italian Public Administration APIs and systems.
- Designed and directed the development of an electronic multi-language menu for restaurants (atavola.menu)
- Designed and developed a CRM for a private school. It included the schoolbus management system (check-in and check-out of students, GPS-based fleet management).
- Other smaller projects in Laravel, NodeJS and Nuxt, basic sysadmin tasks on servers.

Webmaster, tech support

**Istituto Don Calabria**

April 2012 - December 2015    Via Giambattista Soria 13, 00167 Rome

- Institutional website design and management.
- Internal tech support

## MOST PROUD OF

**Italian PA obscure protocols decoding**  
I had to use a pretty long list of Italian Public Administration API protocols and data files, and I succeeded to decode their obscure documentation

## LANGUAGES

Italian    ●●●●●●  
English    ●●●●●●

## CODING

php    ●●●●●●  
Laravel    ●●●●●●  
Codelgniter    ●●●●●●

JavaScript    ●●●●●●  
Vue, Nuxt    ●●●●●●  
NodeJS    ●●●●●●  
AlpineJS, jQuery    ●●●●●●

HTML5    ●●●●●●  
CSS3    ●●●●●●  
Bootstrap    ●●●●●●

MySQL/MariaDB    ●●●●●●  
postgresql    ●●●●●●  
SQLite    ●●●●●●

C    ●●●●●●  
Java    ●●●●●●  
Python3    ●●●●●●

## OS & TECHS

GNU/Linux    ●●●●●●  
Windows    ●●●●●●  
MacOS    ●●●●●●  
git    ●●●●●●  
Docker    ●●●●●●

## STRENGTHS

SysAdmin skills, Fast learner, Good teacher

## EXTRA-PROFESSIONAL EXPERIENCE

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- MovieDbBot (github:LBreda/moviedbbot), a Telegram bot to get information about movies and actors from The MovieDatabase
- BricksetBot (github:LBreda/bricksetbot), a Telegram bot to get information about LEGO sets from Brickset
- COVID19-IT (covid.lbreda.com), a simple dashboard to gather official data about the COVID-19 pandemics in Italy
- Letterboxd Client (github:nuovi-media/laravel-letterboxd), a Letterboxd API client library

## EDUCATION

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### Scientific diploma

#### LSS Evangelista Torricelli, Rome

📅 September 2002 – July 2007

- Scientific-centred high school
- Won a stage at the National Institute for Nuclear Physics. Studied Monte Carlo FLUKA simulation package.

## OTHER EDUCATIONAL EXPERIENCES

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I studied Physics at the Sapienza University of Rome between 2007 and 2010, with very good results in applied Computer Science (mainly C), applied Maths and Classical Physics.

I switched from Physics to Computer Science in 2010, with good results in Applied Mathematics, Computers Architecture, Object-Oriented Programming, Databases and Operating Systems. I also studied Data Structures and Functional Programming.

I left University due to an increased work load from my job.

## INTERESTS

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I'm an embedded systems enthusiast, and I can design RaspberryPI and Arduino based applications.

I'm also a pretty good hobbyist photographer, and I love shooting 110 film format.