



Nicolò Martini

Web Developer - Padua (Italy)
nicolo.martini.io

PROFILE

An experienced programmer, mainly in PHP, with a good knowledge of many mainstream languages. I am a functional language fan, and I love Scala. I have a very good knowledge of state-of-the-art PHP and Web technologies.

I direct my efforts towards abstraction and code quality, trying to pursue "beauty" in addition to "correctness" in my code.

I am an open source enthusiast, and I publish my code on GitHub whenever I can.

I was born in Rovigo (IT) in 1983.

EDUCATION

Master Degree in Mathematics (Magna cum Laude)

Bachelor Degree in Mathematics (Magna cum Laude)

EXPERIENCE

Comperio s.r.l: August 2011 - Current

PHP Developer

I am the lead developer of DNG (Discovery Next Generation), an OPAC software that serves almost a thousand of libraries. It is the second most used OPAC software in Italy, and it is by far the most technologically advanced within its competitors.

DNG is written in PHP and it is built on top of the Silverstripe CMS.

Key Experiences:

- implemented a data layer to uniformly access library data from different sources (local db and soap)
- decoupled the dependence on the search engine backend (solr) and its language, thanks to the DomainSpecificQuery component, that allows to define a domain-specific query structure and language
- turbomarc (a dialect of unimarc) transformation layer for extracting data from solr documents
- implemented a really powerful shelf and saved-searches system for user and librarians
- improved dramatically the reactivity of the application with a semantically event-driven client-side code, modularized through requirejs
- simplified and defined the development flow through git
- used many opensource components through composer
- used GruntJS for the build process (composer, css/js minification, less compilation, etc.)

ElectroYou: January 2005 - Current

Founder - PHP Developer

ElectroYou is the italian community of electronics lovers and professionals, and it is one of the top websites in its field. It is written in PHP.

Key Experiences:

- Implemented a reputation system similar to the StackOverflow one
- Implemented gamification functionalities through automatic achievements
- Implemented an activity stream system and a powerful notification system
- Integrated several opensource projects (phpbb, mediawiki, symfony components)
- Implemented a driver that transforms FidoCadJ code (a Cad for electronic schematics) embedded in forum posts to PNG.

OPEN SOURCE

I maintain several open source library on GitHub, mainly php libraries.

Numbers - <http://github.com/nicmart/Numbers>

Transform numbers in various formats, like scientific notation or unit-suffix notation

UniversalMatcher - <http://github.com/nicmart/UniversalMatcher>

A rule based matcher engine for PHP

DomainSpecificQuery - <http://github.com/comperio/DomainSpecificQuery>

Build and define domain-specific queries and compile them into other formats

Functionals - <http://github.com/nicmart/Functionals>

Higher-order functions for PHP

StringTemplate - <http://github.com/nicmart/StringTemplate>

A death simple string interpolation library

SKILLS

- PHP, 10 years experience, including 5.4, 5.5. Great knowledge of PHP ecosystem. Symfony, Zend Framework, Laravel, Silex, Slim, Twig, Composer, XDebug
- Test driven development with PHPUnit
- HML5, CSS3, Javascript, jQuery, XSLT, Requirejs, Bootstrap, Bower
- Deployment: Git, Grunt, Capistrano
- Basic knowledge of C, Java, Scala, Haskell, Ruby, Python
- Linux/Mac Os X, Apache/Nginx, Mysql, Redis, Memcache
- Open to work with non PHP languages, with a preference for statically typed ones
- Constantly improving my CS knowledge
- 1500+ reputation on StackOverFlow

CERTIFICATIONS

- Automata, Algorithms (Coursera)

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