

Antonio De Luca - Software Developer, Designer and Inventor

<http://www.antoniodeluca.info> - CV updated to 01 May 2017

About

A fanatic of minimalist software development, accurate database design and meticulous business analysis. Specialized in but not limited to web applications.

Focused on Object-Oriented/Functional paradigms and Service Orientation. Fallen in love with Design Patterns and convinced that they represent the Feng Shui of Computer Science.

I've studied electronics, written my first code on a VIC 20 and, during 1999, finally understood that software development was my future. After that, during 16 years of experience, I've worked in various contexts and levels developing applications for web as well as other purposes with JavaScript / PHP (primarily), Java / C# (secondarily) and other programming languages.

Software is my passion and a lot of my spare time is devoted to it through personal projects, tryouts, contributions and other activities. My wish is to meet a company with which continuously learn a lot while creating great things and that leaves me free to drive my personal projects (visible on my website) during the weekends/evenings.

Experiences

DAZN (Aug. 2016 – Present) <http://www.dazn.com> | <http://www.performgroup.com>

Principal Software Developer [Apr. 2017 – present] (mainly for Web, Mobile and TV/Console/Other Applications) after having been Senior Software Developer [Aug. 2016 – present]

In this company I am involved as principal developer for the design, development and maintenance of an high performance cross-platform frontend application based on different object-oriented approaches as well as functional/reactive paradigms. I'm also in charge for the design and implementation of a CI + CD system, based on concepts following the "Infrastructure as Code" paradigm, where every entity is totally decoupled and every task is based only on shell scripts or lambda functions that are executed by pipelines of intercommunicating containers or cloud processes. Everything is driven by configurations and fully automated, including the creation and management of the infrastructure itself.

Programming Languages: JavaScript, Haxe | Frameworks: React, MobX, Redux, Mocha, AVA | Dependency Managers: NPM, Yarn | Task/Test Runners: Grunt, Gulp | Version Control Systems: GIT | Presentation Languages: HTML, CSS | Web Service Protocols: REST | Application Servers: Node.js | Containers/Virtualization: Vagrant, Docker, Docker Swarm | CI: Custom implementation with Jenkins, SonarQube, Artifactory and other tools | Other: TerraForm, AWS Infrastructure

Access UK Ltd (Aug. 2015 – Aug. 2016) <http://www.theaccessgroup.com>

Senior Software Developer (mainly for Web Applications)

In this company I was in charge for the design and development of the frontend side application (AngularJS) of one of their mainstream solutions. The same project involved me as an additional senior developer for code reviews about the server side application (LAMP based API). Previously I have also worked on the design and development of the frontend side application (AngularJS) of another one of their mainstream solutions. I have also been involved in the development of a centralized logging system (Node.js based) and in the containerization of the development environments.

Programming Languages: JavaScript, PHP | Database Engines: MySQL, PostgreSQL | Frameworks: AngularJS, Symfony 2/3, Angular Material, Angular UI, Bootstrap, Jasmine, PHPSpec | Libraries: Lodash, jQuery, jQuery UI, Kendo UI, dc.js, Doctrine | Dependency Managers: NPM, Bower, Composer | Task/Test Runners: Grunt, Karma | Version Control Systems: GIT | Presentation Languages: HTML, CSS | Web Service Protocols: REST | Web Servers: NGINX, Apache | Application Servers: Node.js | Containers/Virtualization: Vagrant, Docker | CI: CircleCI | Other: Database Transactions, Materialized Views, ERD Schemas, DDD, PhantomJS.

IIT - Istituto Italiano di Tecnologia (Jul. 2010 – Jul. 2015) <http://iit.it/en/people/antonio-deluca.html>

Lead Software Developer [Jul. 2014 – Jul. 2015] (mainly for Web Applications) after having been Senior Software Developer [Jul. 2010 – Jun. 2014]

In this research centre I was responsible of the design and development of two projects, an internal

proprietary (LAMP) scientific data analysis/reporting tool and the Open Source (MEAN) P2P "Scientilla" project (<http://www.scientilla.net>). Often I also supported developers from various departments to decide the right architecture and approach for their needs as well as to select the right web application frameworks, libraries, database engines, server engines and other. In the past I've been also involved in the management and development of various institutional web sites.

Programming Languages: **PHP, JavaScript, Java, C#** | Database Engines: **MySQL, MongoDB, TingoDB** | Frameworks: **Zend Framework, AngularJS, Bootstrap, PHPUnit, Jasmine** | Libraries: **jQuery, jQuery UI, Doctrine, Mongoose, Tungus, PHPEXcel, POI** | Dependency Managers: **Composer, NPM, Bower** | Task/Test Runners: **Grunt** | Version Control Systems: **SVN, GIT** | Presentation Languages: **HTML, CSS** | Web Service Protocols: **REST, SOAP** | Web Servers: **Apache, NGINX** | Application Servers: **Node.js, JXcore** | Other: **Database Transactions, ERD Schemas, PhantomJS, Inno Setup, InstallBuilder.**

MIBATECH s.r.l. (Sep. 2009 - Jun. 2010) <http://www.mibatech.com>
Senior Software Developer (mainly for Web Applications)

In this company I was in charge for the design and development of web applications for their network. I was also responsible for the internal proprietary PHP framework and for C# based desktop applications.

Programming Languages: **PHP, JavaScript, C#, ActionScript** | Database Engines: **MySQL** | Frameworks: **PHPUnit** | Libraries: **jQuery, jQuery UI, Doctrine** | Version Control Systems: **SVN** | Presentation Languages: **HTML, CSS** | Web Service Protocols: **REST** | Web Servers: **Apache** | Other: **Database Transactions, ERD Schemas, Inno Setup.**

SWP - Software With Passion (Jan. 2006 - Aug. 2009)
Freelance Software Developer (mainly for Web Applications)

As a freelance consultant I have developed various websites based on Joomla!, with custom extensions implementation, as well as other minor applications based on C# and C/C++.

Programming Languages: **PHP, JavaScript, C#, C/C++** | Database Engines: **MySQL** | Libraries: **jQuery** | Version Control Systems: **SVN** | Presentation Languages: **HTML, CSS** | Web Service Protocols: **SOAP** | Web Servers: **Apache** | Other: **ERD Schemas.**

NETRIX s.r.l. (Sep. 2001 - May 2007)
Co-Founder & Software Developer (mainly for Web Applications)

In this company (closed in 2012) I was responsible for the design and development of a public informative system distributed around cities over touch screen kiosks (INFOPoint City network) as well as for minor development activities on side works for little customers.

Programming Languages: **PHP, JavaScript, Visual Basic, Java, C#** | Database Engines: **MySQL** | Presentation Languages: **HTML, CSS** | Web Servers: **Apache** | Other: **ERD Schemas.**

Various companies (Sep. 1996 - Aug. 2001)

Minor experiences in terms of software development, while I was studying for my first Computer Science Bachelor Degree course (that I have in the end abandoned), as well as other jobs outside the field of IT.

Programming Languages: **Perl, JavaScript, PHP** | Database Engines: **MySQL** | Presentation Languages: **HTML, CSS** | Web Servers: **Apache.**

Skills

Server side development languages JavaScript, PHP, Java (micro frameworks), C# (micro frameworks).	Client side development languages JavaScript.
Desktop application development languages C# (WinForms), Java (Swing).	Mobile application development languages JavaScript (Cordova, PhoneGap, Trigger.io, Monaca).
Relational databases engines:	NoSQL databases engines:

MySQL, PostgreSQL, SQLite.	MongoDB, TingoDB.
Server side frameworks/libraries: Express, Zend Framework, Various micro frameworks, Doctrine, Propel, Various micro ORM.	Client side frameworks/libraries Redux, MobX, React, AngularJS, Angular Material, Angular UI, jQuery, jQuery UI, Bootstrap, OnsenUI, Ionic.
Version control systems: GIT, SVN.	Continuous integration server engines: PHPCI, Travis CI, CircleCI, Jenkins.
Dependencies managers Composer, NPM, Yarn, Bower, Maven.	Automation tools, task/test runners and more: Grunt, Gulp, Phing, Ant, RxJS, PhantomJS, Jasmine, Karma, Mocha, PHPUnit, PHPSpec, Lodash, Ramda.
Data extraction languages Regular Expressions, XPath.	Data presentation languages HTML, CSS, Less, Sass.
Web service architectures REST, SOAP, XML-RPC.	Data structuring formats JSON, XML, YAML, INI.
Caching server engines: Varnish, Memcached, Redis.	Messaging server engines: RabbitMQ.
Web server engines: Apache, NGINX.	Application server engines: Node.js, JXcore.
Modelling notations ERD, UML, BPMN.	Well known CMS platforms: Joomla!, WordPress.
Collaboration tools: Jira, Confluence.	Collaboration methodology: Scrum, Kanban.
Well known development tools: NetBeans, Visual Studio Code, Visual Studio, Notepad++, Visual Paradigm, MySQL Workbench, TortoiseSVN, TortoiseGIT, PuTTY, Gow (GNU On Windows).	Well known development strategies: Design Pattern oriented development, Transaction oriented data access, Web Service oriented design, Scrum Methodology and Rapid Prototyping.
Well known development concerns: Database consistency and reliability (referential constraints, normalization and replication), Web application security (SQL Injections, Code Injections, Session Hijacking, Cookies Manipulations), Internationalization (issues about charsets, date/times and currency formats).	Other: Strong Linux knowledge (Ubuntu / Debian / Fedora), Strong Windows knowledge, OSX, 3D programming, Web / FTP / Database / DNS / SVN / GIT servers on Linux and Windows, Vagrant, Docker, Docker Swarm, AWS Infrastructure, SEO, Photoshop / GIMP / Paint.NET / Inkscape, Electronic development through proto-boards.

Certifications

CIW JavaScript Specialist (January 2015), **Zend Certified Engineer - PHP 5** (May 2010), **Zend Certified Engineer - PHP 5.3** (December 2013), **Zend Certified PHP Engineer** (March 2014), **Oracle Java SE 7 Programmer I** (October 2014).

Languages

English: Understanding: very good, Speaking: good, Writing: good.

Italian: Mother tongue.

Education

Industrial Electronics Technical Diploma (Sep. 1992 - Jul. 1996)

Istituto Tecnico Industriale "Vincenzo Cerulli" - Grade: 60/60

References

Excellent – Some, public, available on my Linkedin page. Others, private, available under specific request.

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Interests

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3D, Artificial Intelligence, Big Data, Collective Intelligence, Data Mining, Data Presentation, Games Development, Internet Culture, IoT, Machine Learning, Neural Networks, Robotics, Simulation, Social Networking, Software Automation, Web.

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Contacts & other info

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E-mail: contact@antoniodeluca.info, **Skype:** contact.antoniodeluca.info

Residence: 37 Newton Lodge, West Parkside, Greenwich – SE10 0BA – London – United Kingdom

Citizenship: Italian, **Gender:** Male, **Birth date:** 16 December 1977

Availability to relocate: Yes, **Availability to travel:** Yes, **Availability to work remotely:** Yes

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Privacy

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For Italian organizations:

Il sottoscritto, ai sensi del Decreto Legislativo 30 Giugno 2003 (n.196) sulla riservatezza dei dati personali, dichiara di essere stato compiutamente informato delle finalità e modalità del trattamento dei dati consapevolmente forniti nel presente curriculum e di autorizzarne l'utilizzo e l'archiviazione.