

Cristóbal Carnero Liñán

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“Creativity is intelligence having fun.” – Albert Einstein

Summary

More than 10 years of professional experience in the software industry and university research groups. Expertise in develop, deploy and manage server-side software and web services.

Education

- 2009 – 2011 **Master in Software Engineer and Artificial Intelligence**, *Universidad de Málaga*.
- 2002 – 2007 **Computer and Software Engineering**, *Universidad de Málaga*.
5-year university degree. Bachelor Thesis approved with Special Distinction.

Experience

- Since February 2016 **VATIA Energía**, *Software Engineering Manager*.
- Web development & DevOps.
 - Data analysis.
 - Technologies: Node.js, Python, Celery, Django, Pandas, Matplotlib, MongoDB, Ansible, Fabric.
- July 2015 – February 2016 **VATIA Energía**, *Full Stack Developer*.
- Web platform for automatic *Virtual Energetic Audit*, *Energetic Benchmarking*, and more.
- 2014 – 2015 **Axafone**, *Consultant*.
- Web technology consultancy.
 - Customized web crawlers.
 - Speaker.
- 2011 – 2013 **Melomics Media**, *Backend Developer, DevOps*.
- Server side development and deployment of a massive online music repository, with search, streaming, purchases and public API.
 - Administration of cluster of Debian servers.
 - Development and deployment of automatic video edition software with additional post-processing capabilities as chroma key, effects, titles, subtitles, publishing,...
- 2009 – 2011 **Universidad de Málaga**, *Researcher*.
- Computer vision research in the department of “*Computational Intelligence and Image Analysis*”, managed by José Muñoz Perez and Enrique Dominguez Merino.

- 2007 – 2009 **Tedial S.L.**, *Backend Developer, System Administrator*.
– Server-side media storage technologies.
– Authentication, authorization, and access control.
– Management of surveillance cameras.
– Deployment of software and administration of several SuSE Enterprise Server installations.
- 2005 – 2006 **Novasoft**, *Software and Web Developer*.
Educational video games.

Master Thesis

- Title “*Shape recognition through new convexity descriptors*”
- Supervisors José Muñoz Perez, Enrique Dominguez Merino
- Description For this project several new convexity descriptors were devised. Then they were tested in the recognition of the *American Sign Language* used by deaf people.

Bachelor Thesis

- Title “*A Video Surveillance System for Fall Detection*”
- Supervisors José Muñoz Perez
- Description Development of a video surveillance software to automatically detect the fall of persons.

Personal projects

- Since 2016 **Mukabe**, <https://mukabe.com>.
Mukabe is the new way of navigate through information, the new social and online organization, and the new way to get visibility for you, your projects or your company. Technologies: Django, Celery, Redis, ElasticSearch, Ansible, Fabric, AWS, Social APIs (Instagram, Facebook, Google+,...).
- Since 2015 **RegaloInteligente**, <http://regalointeligente.com>.
Search engine of gifts with parameters like gender and age, and filter for prices. Web and Android applications (available in Google Play). Twitter bot with auto posting and automatic reply. Telegram bot.
- 2013 – 2014 **CursosDeSEO**, <http://cursosdeseo.net>.
Search engine of courses from different platforms and formats.

Free Software Projects

- Since 2014 **WooDPD**, <http://woodpdplugin.com>.
WordPress Plugin to integrate DPD purchases in WooCommerce.
- Since 2013 **OrigamiPress**, <http://origamipress.com>.
Blog tool, publishing platform, and CMS developed in Python. Yet to be published.
- Since 2009 **cvBlob**, <http://cvblob.googlecode.com>.
Blob library for OpenCV, widely used in computer vision and robotic research.

Languages

- Spanish **Native**
- English **Fluent**

Qualities

Computer skills

Languages: Python, Bash, JavaScript, HTML5, CSS3, C, C++, Java, SQL, PHP, ASP, Delphi, Octave, Matlab, ActionScript, Assembly (Intel x86, AT&T).

Databases: MongoDB, ElasticSearch, Redis, Memcached, PostgreSQL, Oracle, MySQL.

Web servers: Apache, Nginx.

Environments: Vim, GDB, Make, CMake, Android Studio, Eclipse, KDevelop, Visual Studio. Mercurial, Git, Subversion, CVS.

Frameworks: Django, Pyramid, Node.js, Express.js, Bootstrap, Mako, Celery, Cornice, Scrapy, WordPress, OpenCV, OpenGL, OAuth.

Deployment: Ansible, Fabric, VirtualEnv, Supervisor, Upstart, Docker/Dokku, Vagrant, AWS API.

Data: Pandas, NumPy, SciPy, Matplotlib, MapReduce.

Analysis:

Technologies: RESTful Web Services, Ajax.

APIs: PayPal, Google Wallet, Amazon, Facebook, Twitter, Instagram, Braintree, Telegram.

Platforms: GNU/Linux (Ubuntu, Debian, SuSE Enterprise Server), Android. AWS, DigitalOcean.

Others: LaTeX, Doxygen, LibreOffice, Inkscape, Gimp, Krita, Photoshop, Flash.

Personal skills

Engineering

- Ability to find creative solutions.
- Strong analytical, able to anticipate issues, resolve concerns and improve efficiency.
- Good software engineering skills.
- Care of coding standards.
- Eager to learn and develop new skills.

Others

- Ability to work without direct supervision.
- Skilled in building excellent rapport with team members and clients.
- Great verbal and written communication skills (wide experience in both Spanish and English).
- Professional experience in public speaking.

Interests

GNU/Linux, web servers, web spiders, image processing, computer vision, computer graphics, artificial intelligence, compilers development, security.