

José Ramón Cano Yribarren

Software Engineer

Hard worker and meticulous Software Engineer with passion for creating high quality software and with love for methodologies, always looking for a challenge and to learn something new. Having an R&D background, I have been involved in many (and very different) projects, which allowed me to get a very broad knowledge about numerous different technologies, and, at the same time, making it easier for me to learn new ones. Ingeniero de software trabajador y meticuloso, con pasión por escribir software de calidad y amante de los desafíos, las metodologías y el aprendizaje. Al trabajar en un departamento de I+D he sido partícipe de numerosos proyectos de muy diversa índole, lo que me ha ayudado a adquirir un vasto conocimiento en tecnologías diferentes y, al mismo tiempo, a facilitar el aprendizaje de otras nuevas.

Personal information

First Name José Ramón
Last Name Cano Yribarren
Gender Male
Nationality Spanish
Marital status Single
Age 29
Email joserc87@gmail.com

Languages

Spanish Native
English Fluent *Work abroad for more than 4 years, speaking English in a daily basis.*
Dutch Basic

Experience

2012–Present **Software engineer in R&D**, *The Consultancy Firm*, The Netherlands.
2010–2011 **Internship at Virtual Reality Lab**, *University of Granada*, Spain.

Education

The Hague – The Netherlands

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- 2005–2011 **Engineering in software and computer science**, *University of Granada*, Spain.
- Specialization in software engineering, AI and graphics.
 - High grades.
 - Maximum grade (10) in the final year project: implementation of a real time volumetric Ray-Casting renderer in GPU with support for stereoscopic vision.
- 2003–2005 **Science high school diploma**, *Instituto Padre Manjón*, Granada, Spain.

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Knowledge

My main areas of knowledge are the following (items are listed in descending order of experience):

Programming Languages	C/C++, Java/Groovy, C#, Python, Objective-C, Node JS, Ruby, Asm, PHP, Haskell.	Web Frameworks	Ext.Net, MEAN stack, socket.io. Others: Laravel, Django, Ruby on Rails
Technologies	XML (DOM, SAX, XPath, Serialization/Marshalling), JSON, WebServices (SOAP/REST), LDAP.	GUIs	Swing, Cocoa Touch, Qt, SDL.
Software Design	UML, Object Orientation, MVC, SOLID principles Design, Patterns, TDD/BDD, data structures and algorithms, Proficiency in Git.	Testing Libraries	Xunit, JUnit, Mocha, Behave, etc
OS	Advanced knowledge of GNU/Linux, with some administrator level knowledge. *nix CLI (Linux and Mac OS X) and kernel and modules compilation etc. Windows at user level and some knowledge of Windows Server, IIS, batch scripting, etc.	DB	SQL/T-SQL: MicroSoft SQL Server, MySQL, Oracle. NoSQL: MongoDB

Other background and general knowledge

Background in Artificial Intelligence and Soft Computing	Bio-inspired and evolutionary algorithms, Artificial Neural Networks, Matlab, Computer Vision (OpenCV), Pattern Recognition, System Simulation.	Background in Parallel Programming	MPI, OpenMP, OpenCL, Threads.
Electronics	Basic knowledge in electronics. Pic/AVR microcontrollers programming, just as a hobby. PLCs programming.	Computer Graphics	OpenGL (VBO, DL, FBO, GLSL), raytracing, volumetric-raycasting.
Favorite IDEs	Vim + Tmux!, XCode, IntelliJ IDEA, VisualStudio, Eclipse, Netbeans, QtCreator	Other Software	vi, Emacs, Git, SVN?, Makefile, PlantUML, zsh, Doxygen, GNU-plot
Office Suite	L ^A T _E X, Sphynx, Markdown.	Other Skills	Problem Solving. Mathematical/Algorithmic and Abstract thinking. Good communication skills and team work. Ease of learning & curiosity. Attention to detail.

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Projects @ The Consultancy Firm

The Document Wizard	Main project. A web application written in C# (backend) using ASP.Net, Ext.Net (frontend), MicroSoft SQL Server (persistence), ActiveDirectory (authentication), WCF (web services), etc. This application connects to <i>OpenText's Stream Server</i> via it's SOAP API to generate documents based on answers to questions pre-programmed by the user.
DocWiz	An iOS app written in Objective-C that works as an online or offline client for <i>The Document Wizard</i> .
Augmented Documents	An augmented reality app for iOS using OpenGL, and MetalIO SDK. Proof of concept
The Apprentice	An intuitive WYSIWYG editor written in Java, with Swing for the GUI, to generate "Question" configurations for The Document Wizard. Those configurations are marshalled to a file or directly uploaded with SOAP.
Spell	A compiler that translates a language designed specifically for <i>The Document Wizard</i> (spell) to XML format. This language is created to ease the writting of configuration files, removing the overhead that XML has.
Sandd Connector	A <i>StreamServe</i> connector written in Java to sort the letters in the printing queue of a printshop based on a network file with the physical addresses in the Netherlands and according to a sorting and classification algorithm, so that the letters are produced in which Sandd would deliver them, minimizing the costs of posting.
PDF connector	A <i>StreamServe connector</i> written in Java and using the PDFBox library to fix 'faulty' PDF output that <i>StreamServe</i> generates.
PS connector	A <i>StreamServe connector</i> written in Java that parses <i>PostScript</i> output to fix problems in its fonts.
ASure	A notification connector in Java for error reporting to a MicroSoft SQL Server database using JDBC.
SocioPath	A reactive web application written in <i>NodeJS</i> using the <i>MEAN</i> stack (<i>MongoDB</i> , <i>ExpressJS</i> , <i>Angular 1</i> , <i>Socket.io</i> , etc) to integrate multiple social network communication channels (Facebook messenger, WhatsApp, Telegram and more) for customer service. It also acts as a messenger bot.

Areas of interest

- Back end/fullstack development
- PC software development
- Open Source
- Intelligent systems and robotics
- Mobile devices programming
- Graphics programming
- Automation
- Embedded systems programming

Other interests

- Music
- Electronics
- Aeronautics
- Puzzles/challenges

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