

José Ramón Cano Yribarren

Senior Software Engineer

Software Engineer with 12+ years of work experience building reliable and maintainable software, with passion for code quality and simplicity. Advocate of CI/CD, TDD, and others.

Personal information

First Name José Ramón
Last Name Cano Yribarren
Gender Male
Nationality Spanish
Age 37
Email joserc87@gmail.com

Languages

Spanish Native
English Fluent *Lived abroad for 5 years. Spoken on a daily basis at work for 12 years in total.*
Dutch Basic

Experience

2017–2024 **Python Backend Developer**, *RavenPack*, Spain
(currently)
2012–2017 **Software engineer in R&D**, *The Consultancy Firm*, The Netherlands
2010–2011 **Internship at Virtual Reality Lab**, *University of Granada*, Spain

Education

2005–2011 **Engineering degree in software and computer science**, *University of Granada*, Spain
2003–2005 **Science high school diploma**, *Instituto Padre Manjón*, Granada, Spain

Malaga – Spain

☎ +34 628 74 98 82 • ✉ joserc87@gmail.com
in jose-ramon-cano-yribarren • 🐦 @joserc87 • 🌐 joserc87

Knowledge

My main areas of knowledge are the following:

Programming Languages	Python (last ~8 years) Java and C# (5 years) C/C++ (6 years mostly in college; barely any professional experience). Currently learning Go and Rust ; no professional experience. Touched many others: JS/TS, React, Asm, Objective-C, PHP...	Infrastructure	CDK. AWS cloud: ECS, EC2, Lambda, Athena, DynamoDB, etc. Proficiency at Docker and docker-compose
Web servers and frameworks	Fast API, flask, Ext.Net, Django, AWS powertools	CI/CD	Gitlab-CI, Github actions, Jenkins. Proficiency at Git.
Software Design	Good practices on (real world) object oriented design, SOLID principles and design patterns. Big Advocate for TDD/BDD , which I practice every day for almost a decade.	Testing Libraries	Pytest, python's unittests, behave, Xunit, JUnit, Mocha, Behave, etc
OS	Advanced knowledge of GNU/Linux, as a daily user (for about 19 years), and some knowledge as administrator (proficient at batch scripting, services, cronjobs, etc). Also worked with Windows Server, IIS etc in the past.	DB	SQL/T-SQL: MicroSoft SQL Server, MySQL, Oracle, Postgress). NoSQL: DynamoDB and ElasticSearch mailly, also MongoDB.

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████████ Projects @ RavenPack. 2017 – 2024

Hired initially as a *fullstack engineer*, mostly in Python and React, I transitioned to a more *backend only* role, learning more about infrastructure AWS. During these years I've also experience being tech lead of many projects, being mentor to many developers, and I've even managing a team of developers.

In descending order, the main projects I've worked on were (disclaimer, obviously it's not nearly a complete list):

Subscriptions and payments for Bigdata.com	Lead the implementation of an integration with a 3rd party provider, with high availability, idempotency (webhooks), etc. Lambdas, Kinesis streams, DynamoDB...
Python client libraries	Lead the implementation of the client library for bigdata.com (<code>bigdata-client</code> in PyPI), and maintainance of our legacy client library for the RavenPack API (<code>ravenpackapi</code>). Github actions
Data Services	Maintenance of many sytems and services that are core for the organization (API, data querying, file generation, main RavenPack web, etc). ECS, Athena, ElasticSearch, DDB, and a big etc.
Internal Tools	Managing a team responsible of the maintenance of a legacy internal tool for managing a big knowledge base of entities. Oracle. Django. Python2.7. Managing a development team developers
RavenPack Enterprise	Fullstack development of a Web application (python + React) for searching Gigabytes of content. ElasticSearch, DynamoDB...

████████ Projects @ The Consultancy Firm

The work I did at *The Consultancy Firm* was R&D in nature, which allowed me to learn many different languages and technologies, from iOS programming to fullstack development or PC apps.

The Document Wizard	Main project. A web application written in C# (backend) using ASP.Net, Ext.Net (frontend), MicroSoft SQL Server (persistance), 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.

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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 writing 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.

Other interests and hobbies

- Linux, CLI applications
- vi/Vim/Neovim. Tmux
- Mechanical/Split Keyboards
- Electronics
- Open Source
- Tiling Window Managers
- Automation
- 3D printing

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