

jose andrés pizarro

Data engineer | Product Owner

bio

born on 11/28/1982
in Cuenca, Spain
EU-citizen

contact

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4.
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languages

***** español
**** english

programming

Java, Python, Shell,
MySQL, MongoDB,
Javascript,
Eclipse RCP, SWT,
AWT

+technical

Windows, UNIX,
Hardware, Drivers,
MS Office, LibreOffice
& L^AT_EX

motivation

I completed my degree in Computer Science in Madrid in 2007. My MSc. thesis was based on the creation, from the requirements elicitation to the implementation of a system for the selection of candidatures for an Erasmus Mundus Master managed by the Software Engineering group at UPM University.

After this, my first professional working experience took place in 2007 and found soon a motivating work at GMV, located in Madrid. From the very beginning I started to develop software for hifly Satellite Monitoring Center, belonging to a team of more than 80 people that lead us to be top Satellite Control Centers provider company. Our customers are the most relevant companies in the industry such as Eutelsat, SES Astra or NBN, among others.

Part of my working experience took place in Luxembourg, working as a software consultant for SES Astra. This wonderful experience allowed me to work in an international team, where a system for automating satellite control was developed between 2009 and 2010. Nowadays this system is becoming widely adopted for other companies for automating control tasks.

From 2018, I joined DATIO towards initiating my career as a Big Data engineer, leading the set up of Python-based solutions.

Along these years, I have become a technical reference in my working team, specially in anything related to user experience, and development using Java and Python technologies.

Recently, part of my work is focused on the role of Product Owner, leading the strategy of ETL processes within Datio Platform aimed at preparing data for Artificial Intelligence models training.

education

2000–2005	BSc. + MSc. in Computer Science Engineering Real-time development, project engineering, software engineering, operating systems	UPM, Madrid, Spain
2021	The Power MBA Product development and strategy, management	Online

experience

- 2007-2018 **GMV Aerospace and Defence S.A.U.** Madrid, Spain
Software Engineer
Software engineer leading different software projects involving Java and Python technologies in the aerospace industry, focusing on near real-time performance. These projects include Desktop applications, backend services and software that requires hardware integration.
- 2009-2010 **SES Astra** Betzdorf, Luxembourg
Software Engineer
Software engineer in charge of designing and developing a satellite automation tool codenamed SPELL (<https://sourceforge.net/projects/spell-sat/>). This automation suite consists on a server implemented in Python and a client implemented using eclipse RCP. Control automation is based on python modules that include a set of domain-specific primitives that allows monitoring and interacting over the spacecraft status.
- 2018– **DATIO** Madrid, Spain
Big Data Engineer
Big Data engineer leading the set up, provision and deployment of Python-based solutions for Apache Spark processes. Core concepts associated to Python deployment, including python project archetypes, libraries and runtime artifacts provision, testing techniques are generated according to Datio requirements. Additionally, some of my daily tasks include the release of learning resources for Python apprentices.
- 2021– **DATIO** Madrid, Spain
Product Owner
Product Owner leading the strategy for ETL processes within the Data Platform. Processing user needs and working close to Software Scrums for converting such needs into Product backlog items and providing as much information as requested for working them into subsequent Sprints.

courses

- 2014 **MongoDB for Developers** 10gen
Fundamentals of NoSQL databases applied on Mongo DB systems
- 2015 **MEAN Stack development fundamentals** Redradix
Basics of web development with Mongo DB, Express, Angular and Node.js on a 5-day crash course
- 2017 **Scrum fundamentals** scrummanager.net
Basics of Agile software management methodologies on a 2-day session presented by Javier Garzás, one of the most enthusiastic voices about Agile methodologies in Spain

interests

professional: software design, Agile methods, Big Data, Data Science, Cloud computing, Team Management

personal: photography, football, travel, music, painting, art, cooking, biking