Paco Alías

Fullstack Senior Software Architect & Engineer

Hi! I am a software engineer who loves to design of software solutions, architectures, integrations... which are robust, reliable and as simple as possible. Below you can find more details about my professional profile.

dtodo1paco
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🕐 21 years of experience
♿ 40% physical disability
partial remote required
📍 Málaga, ES
✉ dtodo1paco[at]gmail.com
🔤 English   Spanish

</> SKILLS

Software development							
Java	javascript	React	CSS	NodeJS	GraphQL	python	bash

Software engineering				
Tech lead	Scrum	Product M.	Kanban	Project M.

SpringBoot
Spring
JSF
Struts
Hibernate
ant & maven

API
SOAP & REST
microservices
OIDC
security

QA
automated tests
sinon
Jest & Spy
Mocha & Chai

OOP
npm
express
jQuery
event-loop

DevOps
Docker
Ansible
kubernetes
.circle CI
Authentication

TDD
PRs & code rewiew
git
clean code
DDD

closures
ES6+
hoisting
Typescript
proxies
automation

bash
db tunning
performance
Django & Flask
Authorization

monitoring
Runscope
Site24x7
Datadog
GhostInspector
Heroku

HOC
redux
router
hooks
SSL & certificates

PostgreSQL
MySQL & MariaDB
MSSQL
MongoDB
Elasticsearch

UX & UI
responsive
SCSS & SASS
Liferay
Nuxeo
Mirth

creativity

Nietzche said that 'All truly great thoughts are conceived while walking' and I am a great walker. There are many times that I wake up in the middle of the night to write down really disruptive ideas. I like to create and I'm very happy doing it

communication

I'm used to sharing my knowledge with the team and the discoveries I make. It is important to keep a good common knowledge base up to date (for example, a wiki). It is also important to maintain a good and fluid internal communication to act together as a team

humility

The person who has not made several mistakes has not yet been born. The really important thing is to recognize, analyze and learn from them. You can always improve yourself and there will always be someone who does anything better than you. It is essential to know yourself, identify points of improvement and work on them daily

patience

I sincerely believe that this is a capacity that is trained over the years. It is necessary to know how to wait and measure the times well to act intelligently. Combined with humility and empathy I believe that patience can help a lot in the daily work. The results come, the ideas mature, sometimes the smartest thing is to prepare the way as best as possible for when this happens

collaboration

I help others and ask for help when necessary. I know how to work as a team, taking advantage of the strengths of each member in the right areas. I like pair-programming and code review practices, I believe that they contribute to improve the quality and qualification of the team as a whole

adaptability

I have worked on different types of equipment and in different ways of organizing work and in different environments. I learn quickly and I can adapt my work to the circumstances of each moment or team

empathy

I have always been able to put myself in the place of others to understand their motivations. It is important to think about how others receive the messages you send (verbally, gesturally or in writing), in order to better adapt the message and achieve effective communication

confidence

My experience in different areas gives me a vision from different points of view that allows me to make better decisions. I act always guided by the data and my decisions are based on solid arguments. When I do something, I do it convinced of its usefulness and quality

analytical

I always consider different approaches to be able to get a better idea of the topic I am dealing with. In engineering it is necessary to consider all the options and analyze in detail the consequences and impact of each of them. It is essential to measure in order to make decisions based on data. Measure, review and act to improve is a cycle that must always be applied

📄 ABOUT

I started working on system tests and I learned early on how important it is to make software robust, maintainable and adaptable to the change that always ends up coming. It must be an instrument and not a handicap.
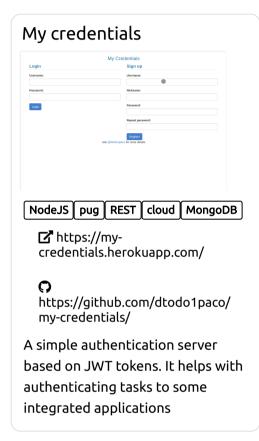
For many years I've carried out projects to a good end from the initial idea to production stage. It's something that I'm passionate about, to be able to add value through a software solution. I like the software architecture and the solutions that interconnect services capable of collaborating together.

I am always learning and I'm continuously reading about software architectures, work methodologies or new frameworks that can help us to improve the result. In this profession you have to maintain a constant curiosity for almost anything new.
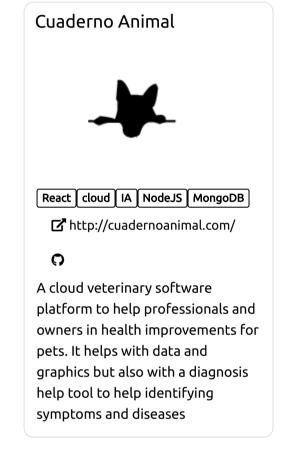
A good engineer must support his/her decisions in data and, to be able to rely on it, to measure is the key. When I design a solution, I'm also thinking about how to measure how good is it, so we can improve it in the future. It's mandatory for me to focus on security of the systems as well as on performance, since a slow system ends up not serving for the purpose that it was designed for.

I'm able to manage teams, projects and software products. However, I like to always keep a foot in the technical part and not lose contact with the code and the design of solutions. After all, I'm an engineer and I like to create systems. I've been always attracted to artificial intelligence and its possible applications, from pattern recognition to learning in neural networks.
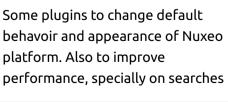
👁 PORTFOLIO

https://github.com/dtodo1paco?tab=repositories

My credentials

`NodeJS` `pug` `REST` `cloud` `MongoDB`

⤤ https://my-credentials.herokuapp.com/

○ https://github.com/dtodo1paco/my-credentials/

A simple authentication server based on JWT tokens. It helps with authenticating tasks to some integrated applications

APARiV

`Liferay` `Angular1.2` `Java` `Spring` `MySQL`

⤤ https://www.youtube.com/watch?v=gCfUrathIVc

○

Installation and configuration of server and software environment. Design and implementation of an adoption search engine with filters for adoptable dogs

Cuaderno Animal

`React` `cloud` `IA` `NodeJS` `MongoDB`

⤤ http://cuadernoanimal.com/

○

A cloud veterinary software platform to help professionals and owners in health improvements for pets. It helps with data and graphics but also with a diagnosis help tool to help identifying symptoms and diseases

Plugins for Nuxeo

`Java` `maven` `Nuxeo` `OSGi`

⤤ https://github.com/athento/athento-nx-automation-extended/commits?author=pacoalias

○ https://github.com/pacoalias?tab=repositories

Some plugins to change default behavoir and appearance of Nuxeo platform. Also to improve performance, specially on searches

Population counter

`Python` `Flask` `REST` `React` `PostgreSQL`

⤤ https://my-population.herokuapp.com/

○ https://github.com/dtodo1paco/python-with-redux

A technical challenge to manage population on locations and to count people per location as a summary

This Resume

`React` `react-intl` `bootstrap` `jest` `reactstrap` `fontawesome` `sass`

⤤ https://dtodo1paco.github.io/cv/index.html

○ https://github.com/dtodo1paco/dtodo1paco.github.io

This resume is also a good example of my work using React, react-intl and github pages

Chatbot

URL Shortener

React   axios   REST   google
integration   Heroku

↗ https://dtodo1paco.github.io/react-simple-chatbot/

○ https://github.com/dtodo1paco/react-simple-chatbot/tree/master

A simple implementation of a chatbot using GoogleAI services to get responses. It is also integrated with a custom authentication server

SpringBoot   Java   REST   React
MongoDB

↗ https://dtodo1paco-url-shortener.herokuapp.com/

○ https://github.com/dtodo1paco/url-shortener

A technical challenge based on goo.gl or bit.ly. Its main purpose is to short URLs. It is designed as a REST service with a SPA client based on React. It can manage statistics of shorten URLs by use and creation by user

🏢 WORK EXPERIENCE & 🎓 EDUCATION

Senior Fullstack Engineer
BestSeller A/S ↗ https://about.bestseller.com/about-us/our-company
📍 Málaga

Springboot   Java   BFF   GraphQL   React   Azure   GCP   circle-ci   kubernetes   Docker   OIDC   ORACLE   PostgreSQL   MySQL   Jest   sinon   JUnit   maven

Building software solutions based on microservices to facilitate B2B relationships. We want our customers to choose us and we work hard to be the best. There are a huge variety of microservices, from UI oriented to data processing, using synchronous and asynchronous processes. Single Sign On is mandatory for our users and we use OIDC for that.

May 2019 ... present

Teacher
Codespace Academy ↗ https://www.codespaceacademy.com/
📍 Málaga

React   nodeJS   express   javascript   jest   enzyme   MySQL   MongoDB

Teaching at Full Stack Web Bootcamp: Advanced Databases (MySQL), Nodejs and express, MongoDB, ReactJS. In addition, I have directed the end of bootcamp projects of the fourth promotion

Jan 2019 ... May 2019

Fullstack Senior Software Architect & Engineer
(self employed) ↗ #
📍 Málaga

React   redux   nodeJS   javascript   jest   enzyme   Liferay   Java   SpringBoot   JUnit   Python   PostgreSQL   performance   MongoDB

Currently I work in some projects as a software engineer offering my knowledge as a consultant and litlle developments for other companies. I work as well in some personal projects and I'm continuously learning to improve my skills

Dec 2017 ... present

Executive Master in Innovation
EOI ↗ https://www.eoi.es/
📍 Madrid

Innovation   Master   Management

Degree from EOI

Apr 2015 ... Jul 2015

Product Delivery Engineer
Athento ↗ https://www.athento.com
📍 Málaga

Nuxeo   Java   JSF   maven   Mirth   javascript   Python   Django   PostgreSQL   MongoDB   Elasticsearch   Incident Management   Helpdesk   Monitoring

Plugin development for Nuxeo platform, to extend, improve and custom the product to fit client requirements. Automated full-stack installation and configuration. Python 2.7 coding tasks for maintenance and to extend a Django platform. During my time in Athento, I worked in client support (helpdesk), product and project development and design of software solutions. We worked with SCRUM most of the time, but also Kanban sometimes. I got a lot of expertise about incident management and quick solutions for clients.

Sep 2014 ... Dec 2017

Fullstack Senior Software Developer
(self employed) ↗ #
📍 Málaga

Liferay   Java   JUnit   jQuery   MySQL   Apache

During this short period of time, I begun some personal software projects (like cuadernoanimal.com) as well as experimental projects for others like m2formacion.com (an online booking platform for teaching centers)

Apr 2014 ... Sep 2017

Senior Software Architect

Primum Health S.L. [↗] http://www.primum.es/

📍 Sevilla

`Liferay` `Java` `JUnit` `jQuery` `REST` `PostgreSQL` `Apache`

Primum Health offers a telemonitoring service for patients. It can handle measurement information about people (weight, glucose, oxygen saturation in blood, ...). I was responsible for the cloud platform that collected all that data sent by an Android app. Through the processing of these data, professionals were offered a series of added services such as real-time monitoring, alerts to outstanding values, trends, history and the possibility of associating information to each test and patient.
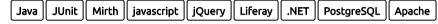
Jan 2013 ... May 2014

Development Team Manager

FeSalud, Fundación para la eSalud [↗] https://www.linkedin.com/company/fesalud/

📍 Málaga

`Java` `JUnit` `Mirth` `javascript` `jQuery` `Liferay` `.NET` `PostgreSQL` `Apache`

Coordination of development teams. Project management internally and with the client. Development tasks in support of projects. During my time at FeSalud, I worked on an integration project with the internal software services of DKV Seguros de Salud, in which numerous and varied healthcare providers had to be integrated with the company's own systems.

Mar 2011 ... Jan 2013

Development Team Manager

Grupo Delaware [↗] http://www.grupodelaware.com/

📍 Madrid

`Java` `JUnit` `javascript` `JSF` `.NET` `Oracle` `Apache`

During my time at the company, I was all the time working in the client: Dirección General de la Guardia Civil (Guzman el Bueno, Madrid). Most of my work were to migrate old software projects to the internal web platform (Java based), as well as new software projects to cooperate with other police forces. I've also participated in the implementation of a development culture within the department with the installation of infrastructures, QA dept. creation and workshops about good development practices

Sep 2006 ... Dec 2010

QA Manager

Tecsidel, S.A. [↗] http://tecsidel.com/

📍 Madrid

`bash` `QA` `Tests` `PJs` `Configuration Management` `Staging`

I was responsible for QA of a specific product of Telefónica I+D to manage cabin failures. I wrote tests plans and report results to client as well as automate tasks for deployment and configuration

Sep 2005 ... Sep 2006

Head of Development Team

Mkz, Soluciones de Ingeniería [↗] http://www.mkzsoluciones.com/

📍 Zamora

`Java` `JSP` `PostgreSQL` `javascript` `Project Management` `Staging`

In 8 months I managed a 4-people development team to design and implement a system for traceability of sheep-products (milk, cheese and so on). This project were deployed in production in 2005, Aug. with success and was working for more than 3 years. I managed the project and keep track of it with client and other companies which information systems must be integrated
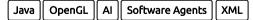
Jan 2005 ... Sep 2005

Information Technology, Engineering

Universidad de Salamanca [↗] https://www.usal.es/departamento-de-informatica-y-automatica

📍 Salamanca

`Java` `OpenGL` `AI` `Software Agents` `XML`

Final Degree: MOrSA: A Model for Organizing Social Agents: Proposes an organization model for software agents based on social contracts (CAS), fulfillment and reputation.

Oct 2001 ... Mar 2005

QA Engineer

Tecsidel, S.A. [↗] http://tecsidel.com/

📍 Madrid

`bash` `QA` `Tests` `PJs` `Configuration Management` `Staging`

I joined a 6 high-qualified members team from whom I learnt a lot. We wrote testing plans for Telefónica I+D internal software, we execute them and report results. We automate a lot of tasks, we simulate and install different environments controlling configuration and software versions

Aug 2000 ... Feb 2002

Computer Systems, Engineering
Universidad de Salamanca https://www.usal.es/departamento-de-informatica-y-automatica
 Salamanca

| ASP | HTML | Javascript | SQL Server |

Strongly oriented to UNIX systems and operating systems as well as Software Engineering. Final degree was: CTDC Intranet (applications): A suite of applications to help internal management of the center

Oct 1997 ... Mar 2001

🏎 FURTHER TRAINING

30 ▾

year	event	length
2015	Master: Executive Innovation Management EOI https://www.eoi.es/	300 h
2012	III Liferay Spain Symposium 2012 Madrid https://www.liferay.com/web/events-symposium-spain/	2 d
2012	VI itSMF summer course: "IT Made of People:" working day of operations in TI departments itSMF https://www.itsmf.es/	5 d
2011	II Liferay Spain Symposium 2011 Madrid https://www.liferay.com/web/events-symposium-spain/	2 d
2011	Deployment, configuration and administration of Liferay Eticom http://www.eticom.com/es/tag/malaga/	25 h
2010	Development and certification of applications over DNIe INTECO/INCIBE https://www.incibe.es/	80 h
2008	Project Management II +DESTREZA #	25 h
2008	New managers, been effective in your work TEA CEGOS #	24 h
2008	English on-line course with methodology: Tell me more: Intermediate e-logos #	100 h
2007	PL/SQL programming with ORACLE 10g CEDECO https://www.cedeco.es/	25 h
2007	JSF programming CEDECO https://www.cedeco.es/	35 h
2007	Tunning J2SE and J2EE applications with JProbe EXES https://www.exes.es/	35 h
2006	VB .NET programming CEDECO https://www.cedeco.es/	25 h
2005	English Intermediate Level Tecsidel https://www.tecsidel.es/	150 h
2004	Workshop on generation and growth of enterprise ideas Universidad de Salamanca http://www.usal.es/	24 h
2004	Company creation Universidad de Salamanca http://www.usal.es/	40 h
2002	Installation and management of FTP and Web servers Universidad de Salamanca http://www.usal.es/	20 h
2002	Distributed Objects: a based-in CORBA approach Universidad de Salamanca http://www.usal.es/	30 h
2002	International Workshop on Practical Applications of Agents and Multiagent Systems. Internet, e-com and Artificial Intelligence Universidad de Salamanca http://www.usal.es/	3 d
2001	Introduction to Internet development Tecsidel https://www.tecsidel.es/	10 h

year	event	length
2001	Korn Shell Tecsidel https://www.tecsidel.es/	8 h
2000	Analysis and design object-oriented using UML Tecsidel https://www.tecsidel.es/	15 h
2000	ORACLE basic administation CRONOS IBÉRICA https://www.linkedin.com/company/cronos-iberica/	25 h
2000	UNIX systems administration Universidad de Salamanca http://www.usal.es/	30 h
2000	Java for beginners Universidad de Salamanca http://www.usal.es/	20 h
2000	Visual Basic 5.0 programming Universidad de Salamanca http://www.usal.es/	30 h

📘 PUBLICATIONS

Mar 2005
MOrSA

Organizational Model for Software Agents
It is the Project presented as an End of Career in Computer Engineering at the University of Salamanca. It proposes a theoretical and practical model of social organization of software agents capable of interacting and exchanging services with each other.

https://goo.gl/YLfXLj

Feb 2015
Unattended massive documents load in Nuxeo

Tasks automation
A plugin for Nuxeo platform to help automating CSV import tasks. When a lot of documents has to be imported in Nuxeo platform, conventional CSV Import tool is not enought. This plugins can manage user to programme several imports in an unattended way

https://www.linkedin.com/pulse/carga-masiva-desatenc lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_ba

👤 VOLUNTEER WORK

APARiV

Volunteering in the refuge and as support in social networks and computer infrastructures. Dog search engine development on the web (see portfolio).

https://facebook.com/Apariv/

Brazadas Solidarias

Occasional collaboration in solidarity events

http://www.brazadassolidarias.com/

❤ INTERESTS

Software architecture

Every software solution is supported by an underlying architecture. I love to know design details.

Problem solving

I'm passionate about applying engineering and data to provide value and solve complex problems

Effective Engineering

Improve processes, using time better and resources

Artificial Intelligence

Automated learning, Machine Learning, pattern recognition

Travelling

I love to travel and know new places and people who keep my mind opened

History

knowing the past prepares us for the future

Web development

Every detail related to web technologies is interesting