JAVIER ALONSO SILVA

Computer Engineer, software developer and sysadmin

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EXPERIENCE

R&D Embedded Engineer

Teldat

September 2021 - today

- Development of a Linux based operating system for routers.
- Real-time and hardware programming of communication devices.
- Other multidisciplinary tasks in cooperation with the team based in Germany.

Higher Education Professor

Retamar FP

Pozuelo de Alarcón, Spain

- Impart ISO subject to ASIR1 students.
- Impart PSP subject to DAM2 students.
- Lead second year students with their projects and enterprise practices.

Full-stack developer

Freelance

December 2016 - today

Develop my own applications and solutions for clients and enterprises.

- ADAF project, for SaturnoLabs.
- Other private projects.

EDUCATION

Master Degree in Distributed and Embedded Systems Software Universidad Politécnica de Madrid

🛗 Sep. 2020 - 2021

- CGPA: 3.7/4 (June, 2021)
- Honorific Mentions: Engineering in Systems Software, Advanced Smartphone Development, Security of Networks and Systems, Big Data and ML

B. Sc. in Computer Engineering & Science Universidad Politécnica de Madrid

₩ Sept. 2016 - Nov. 2020

- CGPA: 2.95/4 (November, 2020).
- Honorific Mentions: Object Oriented Programming, Final Thesis Project.
- Laboratory assistant (Computer's Technology / 2019).

Diverse activities and courses

- Factoría de Talento course (2019).
- Quantum Madrid (since 2019).
- Clean Code course (Autentia, 2017).
- Volunteer coordination bone marrow donation campaign (2019, 2020).
- ECSA Volunteer (2018).
- PyLadies active participant (since 2017).

ABOUT ME

I am a passionate Computer Engineer loving increasing my knowledge and never stop learning! I built OSS tools and hardware for my own needs including from server-side applications to end client solutions.

SOFT SKILLS



Motivation

I love expending time working on my projects and continue leraning by myself.



Liderazgo

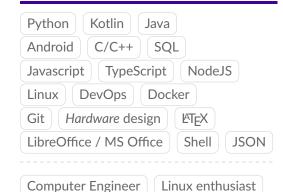
I would like to become a leader, not a boss. Thus, even after adversities, I tried to be that leader in order to guide, help and reach the goal with the rest of the team.



Fast learner

It's not difficult for me to start learning a new technology or continue improving my abilities, which means that I never stop learning.

TECHNOLOGIES



LANGUAGES

Embedded systems developer

Android developer

Español Inglés - B2 (TOEIC)



UI/UX designer

MY PROJECTS

</> Aplicaciones

Handwashing reminder — Kotlin

An app that reminds you when you have to wash vour hands.

Javinator9889/Handwashing-reminder

ThdKernel — C

Custom kernel for ASUS Vivobook Pro 15 (N580GD).

Javinator9889/ThdKernel

YouTubeMDBot — Python

A powerful bot for downloading almost every video on YouTube.

Javinator9889/YouTubeMDBot

Bonsai AIO — C/C++/Arduino

Control water level, temperature, time, bonsai light and automatic irrigation with an Arduino board.

Javinator9889/BonsaiAIO

KernelUpgrader — Python

A Python tool for upgrade your kernel safely from kernel.org.

Javinator9889/KernelUpgrader

Calculator — Kotlin

A powerful calculartor designed to work as fast as possible using the lowest resources.

Javinator9889/Calculator

pArm - S2 — C

pArm software built-in the final device.

pArm-TFG/pArm-S2

REFERENCES

Vicerrector Fco. Javier Jiménez Leube

- @ francisco.jimenez@upm.es
- Universidad Politécnica de Madrid

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- Universidad Politécnica de Madrid, Campus Sur

Prof. Vicente García

- @ vicente.garcia@upm.es
- Universidad Politécnica de Madrid, Campus Sur

Articles

- Silva, Javier Alonso (June 2021). "Análisis de Contenedores Docker y sus implicaciones de seguridad". In: URL: https://www.researchgate.net/ publication/352882918_Analisis_ de contenedores Docker y sus implicaciones_de_seguridad.
- Javier Alonso Silva, Mihai Octavian Stanescu, and José Alejandro Moya Blanco (Oct. 2020). "pArm - sistema informático empotrado para gobernar un brazo robótico de diseño abierto". In: URL: http://oa.upm.es/65304/.
- Javier Alonso Silva, José Alejandro Moya Blanco, and Roberto Álvarez Garrido (Nov. 2019). "Estudio del manipulador uArm". In: p. 37.