

Curriculum Vitae

**Francisco Javier
Guzmán Jiménez**



Mijas, Málaga, Spain, Europe

<https://www.linkedin.com/in/javierguzmanjimenez>

<https://github.com/javierguzman>

work+cv@guzman.dev



+ 34 653 68 73 07

Nationality: Spanish

Date of birth: 27/08/89

Experience

Sep. 2020 – Nov. 2022

Kindoi, Europe

Career Break - Solo Entrepreneur

Left my life in the UK. Learn all about web technologies by myself and created kindoi.com; A web app that sorts out your travel itinerary within seconds.

Demo before closing https://youtu.be/GEFlbBDr_Rw

Main Stack: Reactjs, Nodejs with Express, Docker, Kubernetes, MongoDB, Redis, Google Cloud, Gitlab CI/CD, Nginx, Storybook, Jest, Redux.

Kindoi Blog: React-Query, Nextjs, Tailwind, Strapi

Nov. 2018 - Sep.2020

U-blox Melbourn Ltd.

Cambridge, United
Kingdom

Embedded Software Engineer, LTE Modem Software Framework Team

Worked developing drivers in C++. For example, drivers for GNSS Time Synchronisation module.

Jan. 2017 - Oct.2018

Rolls-Royce plc. Solihull,
United Kingdom

Embedded Software Engineer, Research & Technology, Civil Aerospace

-Case study of auto test generation based on SPARK 2014; Article written: "Functional requirements-based automated testing for avionics".

-Concept creation and first prototype of verification specification meta-model using Epsilon.

-Verification improvements technology readiness level (TRL) 4 achieved.

Collaboration for TRL 6.

Aug. 2015 - Nov.2016

Ricardo UK Ltd,
Cambridge, United
Kingdom

Embedded Software Engineer

-Implementation of TCP/IP Modbus over an ECU (*C language*)

-Collaboration in the improvement of Software Development Plan (*C language & Simulink*)

-Integration and Application layer of an electronic limited slip differential (*C language*)

Oct. 2014 - Mar.2015

Creative Electronic
Systems, Geneva,
Switzerland

Embedded Software Engineer (Internship)

-Optimisation in the communication between a client, and an embedded server which was inside a kind of bootloader. More than 80% faster achieved.

(*Java & C language*)

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Education	
2012-2013	(Erasmus scholarship, Embedded Systems Master courses) Eindhoven University of Technology, Netherlands Computer Engineering Master
2011-2014	Polytechnic University of Valencia, Spain Computer Engineering Master Latest year was Master Thesis (https://github.com/javierguzman/Modbus-CAN-ARM-Cortex-M3)
2007-2011	Málaga University, Spain Computer Engineering Bachelor
Languages	Spanish: Mother tongue English: Proficient French: Basic (needs refreshment for intermediate)
Technical Skills	Programming languages Proficient right now: JavaScript/TypeScript Used: C/C++, Python, Java, Verilog, SQL, "MATLAB", assembly, Ada, CUDA, C#, VBScript, Prolog, Haskell, CLIPS. Hardware development <ul style="list-style-type: none">❖ Xilinx Virtex-6 and Spartan-6❖ Renesas microcontroller❖ Rolls-Royce homemade hardware❖ ARM Cortex-M3 (TI board)❖ STM32 NUCLEO❖ Tile64
Achievements	Final Bachelor project with honours Porting of a JVM/KVM to Tile64 Architecture https://github.com/javierguzman/kaffe
Others	Some Side projects <ul style="list-style-type: none">- Small project in C with FreeRTOS, sensors and STM32 simulating a ground station: (https://github.com/javierguzman/fake_ground_station)- A Python program to "algo-trade" using Oanda API.- Firefox/Chrome extension: (https://github.com/javierguzman/morning-routine)