Pedro Ruiz

Software engineer / Lead · EU citizen · ● Berlin, Germany

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Summary

With a Master's in Agricultural Engineering and 12 years of experience as a professional musician, I transitioned to Software Engineering.

I've worked with low-level languages in aviation software and as a CTO / Tech Lead in a 42 school in Berlin, helping other people making the same transition.

Guided by deep care, fairness, and kindness, my goal is to create great software and contribute to driving innovation in society.

Experience

42 Berlin   *Berlin, Germany*
CTO & Tech Lead   *Dec. 2023 - Current*

Responsible for the team, hiring and bugdet as well as all the school infrastructure, data consolidation, backend development and process automation.

Software Developer & IT Specialist   *Jul. 2022 - Nov. 2023*

Initiated and developed our internal data analysis framework using Python, SQLAlchemy, PostgreSQL and FastAPI. Maintained an on-premises infrastructure with 300 computers, Cisco Switches, VMWare vSphere, Ansible and Docker.

Indra   *Madrid, Spain*
ADA/C++ Software Engineer   *Jan. 2022 - Jul. 2022*

Worked on the Air Traffic Control system. Specifically improving the Flight Data Processing module, responsible for recalculating flight paths based on real-time data. I worked with ADA, C, C++ and PostgreSQL.

Viva Belgrado   *Córdoba, Spain*
Musician   *Jan. 2011 - Dec. 2023*

Guitar player and one of the main composers and founders of the band. We released 3 Albums, 3 EPs, reached over 11 Millions plays on Spotify and played over 500 shows in more than 30 countries. We had a Do It Yourself attitude and didn't have any record label or management help.

ETSIAM - Universidad de Córdoba   *Córdoba, Spain*
Data Science Intern   *Jul. 2015 - Sep. 2016*

Introduced Python for data and statistical analysis and visualization to support MSc Theses at the ETSIAM Economics Department. Developed libraries and tools with Pandas, Numpy, and Matplotlib.

Education

42 Madrid   *Madrid, Spain*
Master's in Software Engineering   *Dec. 2020 - Jul. 2022*

A Software Engineering school that emphasizes hands-on learning through Assembly, C and C++, where students take an active role and learn to be independent and problem-solvers.

Wageningen Universiteit   *Wageningen, The Netherlands*
MSc in Management, Business and Consumer Behaviour   *Aug. 2012*

Focused on economic principles, strategies for managing organisations and how psychological factors influence consumer decision-making processes and impact trends and business strategies.

Universidad de Córdoba   *Córdoba, Spain*
Master's in Agricultual Engineering   *Sep. 2008*

My favourite studies because I learned a lot about many different fields. I focused in Economics, Genetic Engineering and Scientific Research, but my studies also included Maths, Biotechnology, Chemistry, Crop Science, Botany, Geology, Hydrology, and Engineering, among others. Achieved the highest grade for my thesis: "Analysis of Rural Districts conformation in Extremadura, La Rioja y Navarra (Spain)"

Skills

Technologies C, C++, ADA, Python, FastAPI, Django, Docker, Ansible, VMWare, PostgreSQL, Git, Linux

Languages Spanish (native), English (fluent), German (basic)

Interests Building electronic devices like tube amps and guitar effects. Space exploration. Music.